

No. 820



JAMAICA WEATHER REPORT

FOR THE MONTH OF
JANUARY, 1944

The barometric pressures at all the Stations, except the Hill Gardens and Hope Agricultural Station, are reduced to the standards of New 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens and Hope Agricultural Station are reduced to the first two standards only. Thermometers are exposed in Stevensons Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m. and entered as having fallen on the previous day.

The standard of time used is that of the 75th Meridian West of Greenwich.

METEOROLOGICAL RESULTS

STATIONS	Elevation	Bar. Pressure		Temperature (F.)					Extreme Temperature (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range
		ins.	ins.	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	30.004	29.957	77.3	81.0	83.0	74.8	8.2	85.0	3	68.0	19	17.0
Kingston	24	29.996	29.951	70.3	81.7	87.8	69.4	18.4	92.7	11	64.6	7	28.1
Upper Kingston	110	29.998	29.941	69.7	85.4	88.0	68.8	19.2	92.2	10	61.1	7	28.1
Negril Point Light House	33	30.002	29.954	71.1	82.2	83.8	68.3	15.5	87.9	11	63.1	30	24.8
Montego Bay	33	..	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens	496	..	..	66.0	82.0	83.5	63.7	19.8	87.0	4	60.0	5*	27.0
Hope Agricultural Station	668	..	..	69.3	83.1	86.6	62.3	24.3	91.4	17	58.6	30	32.8
Hill Gardens, Blue Mountains	4,900	25.260	25.213	58.2	64.3	67.9	54.1	13.8	73.0	4	47.0	6	26.0
Orange River Experimental Station	450	..	..	66.3	78.0	80.1	62.6	17.5	84.0	28	58.0	6*	26.0

STATIONS	Elevation	Dewpoint and Rel. Humidity				Rainfall	Wind per diem	Wind: direction from and miles per hour				Amount of Cloud † Lower, Middle and Upper					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.		3 p.m.			
		°	%	°	%			ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.
Morant Point Light House	8	72	85	74	78	1.89	327	ENE	14.0	ENE	12.0	2.5	3.5	1.1	1.7	3.9	1.2
Kingston	24	63	79	68	57	0.01	178	N	5.1	SE	13.3	1.5	0.4	0.7	2.7	2.0	0.8
Upper Kingston	110	63	80	68	56	0.29	..	N	4.1	SE	11.1	..	..	..	..	..	..
Negril Point Light House	33	65	81	71	70	1.78	125	NE	3.5	NE	6.9	3.2	0.0	1.1	5.0	0.0	0.5
Montego Bay	33	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens	496	64	94	80	95	5.92	..	..	..	..	..	..	..	..	..	..	..
Hope Agricultural Station	668	61	87	61	63	1.61	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	52	82	59	81	3.67	..	..	..	..	..	..	..	..	..	..	..
Orange River Experimental Station	450	65	96	69	74	8.58	..	..	..	..	..	..	..	..	..	..	..

Notes

- (1) Kingston—As from 1st January, 1943, Temperatures are taken from Thermometers located at Winchester Park.
 - (2) Hope Agricultural Station—On 1st Jan., 1944, the Hope Gardens barometer was moved to a new site on Hope Agricultural Station, near to the thermometer and rain gauge. Observations are now taken at 7 a.m. and 3 p.m. Barometric pressure is at present not reduced to sea-level.
 - (3) Montego Bay—Observations are taken at 8 a.m. and 3 p.m. (observations lapsed.)
- * And on other days.
† Amounts are expressed in tenths of the area of the sky.

National Oceanic and Atmospheric Administration

Environmental Data Rescue Program

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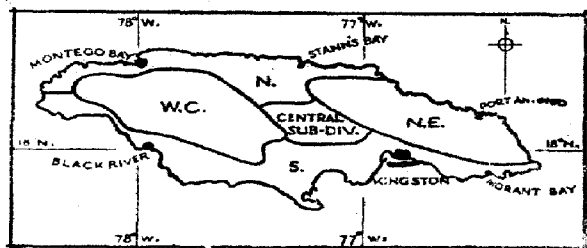
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THE RAINFALL

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



Jan., 1944

STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	2.53	0.57	22	10	5.58
Ecclesdown	5.13	0.81	25	15	
Priestman's River	4.37	0.50	2	16	5.43
Bath	4.16	0.99	22	11	6.15
Barrett's Gap	8.67	2.25	22	19	
Millbank	11.00	1.44	24	11	19.14
Bowden Pen	16.41	3.62	27	17	
Moore Town	11.51	2.50	24	16	16.83
Port Antonio	3.70	0.70	13	12	8.63
Passley Garden					6.74
Fellowship	6.72	1.18	2	15	12.16
Johnson River Br.	1.40	0.40	15	6	3.24
Trinity Ville	1.74	0.60	26	7	2.57
Fruitful Vale	12.75	2.15	25	19	
Shrewsbury					15.95
Hope Bay	9.78	4.20	2	8	8.30
Cedar Valley	2.07	0.45	25	10	3.64
Swift River	16.89	3.40	24	8	
Lennox					9.22
Bybrook	12.06	3.83	25	16	
Darley	7.05	1.65	2	11	
Spring Garden	0.76	0.47	25	4	8.11
Hill Gardens	3.97	1.00	27	12	6.78
Buff Bay	6.72	2.05	20	10	8.97
Plum Valley	10.62	4.10	24	11	
Belvedere, Portland	10.44	1.65	22	13	10.62
Windsor Castle, do.	9.29	2.00	20	12	6.95
Balcarras	22.34	6.93	24	13	13.58
Mt. Holstein	11.37	3.27	22	13	14.65
Cedar Hurst	6.13	2.86	22	14	7.30

Jan., 1944

STATIONS

NORTH-EASTERN DIVISION, contd.

	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date		
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Hardware Gap	4.85	2.25	22	7	5.58
Mount Pleasant					
Rose Hill	1.36	0.50	24	8	3.60
Mount Cressy	9.24	2.20	22	15	
Hermitage	3.83	1.54	22	9	1.94
Mount Airy	4.30	1.02	22	7	
Stony Hill	2.62	1.12	22	7	2.78
Golden Spring					
Brandon Hill	6.37	1.43	25	9	
Enfield	7.72	2.50	23	6	13.20
Agualta Vale	7.23	2.05	21	13	6.94
Castleton Gardens	5.92	2.31	24	5	9.30
Water Valley	7.88	3.00	22	11	7.51
Albany					5.13
Platfield	5.41	2.68	24	10	
Lawrence Tavern	1.71	0.75	22	4	2.60
Wey Hill	5.42	3.30	24	8	
Richmond, St. Mary	8.17	2.54	11	14	7.00
Orange River Experimental Station	8.58	1.94	12	15	
Quebec, St. Mary	7.28	3.25	20	13	6.38
Above Rocks	1.95	0.70	22	8	
Glengoffe	2.80	1.85	24	4	
Carew Castle	1.64	0.66	24	5	2.49
Hampstead, St. Mary	9.06	3.00	22	11	9.41
Windsor Castle, do.	5.78	1.90	10	9	8.21
Troja	4.69	1.60	24	8	5.01
Pear Tree Grove	10.98	6.30	11	9	4.96
Guy's Hill	6.29	1.61	11	12	6.28
Lucky Hill	7.78	2.02	22	14	7.17
Rio Hoe	5.77	1.52	22	9	5.72
Unity Valley	3.59	1.06	24	10	4.95
Moneague	4.43	1.02	24	11	4.79
Claremont	4.10	0.87	24	13	5.80
Averham Park	6.86	1.98	25	21	6.93
Albion	3.44	0.59	25	12	5.33
NORTHERN DIVISION (N)					
Port Maria	5.65	1.18	20	12	5.91
Wentworth	3.09	1.20	23	5	
Jacks River	4.63	1.35	20	11	
Oracabessa	5.83	1.25	1	9	6.50
Retreat	4.91	1.60	22	17	
Exchange	4.09	1.10	22	5	
Ocho Rios	4.10	1.15	22	10	4.78
Rockfield	5.17	1.04	20	16	7.63
Liberty Hill	3.31	0.73	18	11	6.10
St. Ann's Bay					5.15
Richmond Estate	5.54	2.20	18	15	5.44
Runaway Bay	1.51	1.25	18	3	2.66
Thatchfield	6.77	1.37	10	13	
Knapdale	4.53	0.83	27	10	7.55
Alexandria	0.60	0.30	24	3	2.65
Bel-Air	5.50	0.90	26	13	4.68
Brown's Town	3.56	0.80	22	14	5.95
Wilton	4.07	0.94	17	14	
Watt Town, St. Ann	0.60	0.32	23	3	2.53
Home Castle					5.74
Stewart Town	2.17	0.90	22	9	
Arcadia					4.65
Vale Royal					4.85
Harmony Hall	4.28	1.34	20	12	3.80
Duncans	3.80	0.48	23	8	2.64
Clark's Town	1.33	0.43	20	5	3.18
Gibraltar	2.28	0.55	11	12	
Falmouth	3.43	1.22	19	7	3.13

Jan., 1944						Jan., 1944					
STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Maroon Town	1.77	0.61	23	6		Wait-a-bit	1.54	1.00	2	6	
Adelphi	1.57	0.36	20	10		Christiana	0.79	0.15	18	6	2.31
Windsor Lodge						Holmwood	1.33	0.82	18	4	
Latium						Edge Hill	0.90	0.40	16	3	
Barrett Hall						Kendal, Manchester	1.24	0.35	15	5	2.27
Success	2.50	1.20	18	8	2.08	Mereworth	1.75	0.65	15	7	3.76
Cornwall	2.37	1.02	18	5		Mandeville	0.78	0.33	16	5	3.08
Rose Hall	2.35	1.20	18	8	3.15	Ulster Spring	1.17	0.41	28	6	3.26
Cinnamon Hill	2.39	1.40	18	10	3.17	Greenvale	0.53	0.30	15	3	1.89
Tryall	3.35	1.40	18	8	2.03	Albert Town	0.00	0.00			2.79
Running Gut	2.29	0.70	18	7	3.24	Craig Head	0.00	0.00			
Spring Estate	1.95	0.55	18	8	3.83	Warsop	0.46	0.22	28	6	2.24
Friendship	1.32	0.30	28	7	3.12	Troy	0.20	0.12	26	2	2.00
Irwin	1.10	0.34	19	8	3.98	Wallingford	0.77	0.20	20	6	1.79
Retirement	0.71	0.27	20	6	2.98	Balaclava					1.82
Montego Bay	1.18	0.70	18	3	2.65	Braes River	0.26	0.07	3	6	
Anchovy	0.91	0.33	15	8	2.45	Wakefield	1.08	0.56	27	4	2.12
Hopewell	2.47	2.00	18	5		Appleton	2.01	1.36	25	2	2.56
Blue Hole	2.15	1.51	18	3	2.69	Aberdeen	1.15	0.74	25	4	
Cascade	4.50	3.28	18	4		Accompong	1.28	0.83	24	2	
Lucea	2.73	1.73	18	9	3.06	Maggotty	2.14	1.49	25	3	2.73
Haughton Court	3.06	2.16	18	7	2.54	Lacovia	1.98	1.50	25	4	1.97
Kendal-Hanover	2.64	0.76	18	5		Mulgrave	2.10	1.40	25	5	
Cousins Cove	3.91	2.40	18	12	2.30	Holland					
Blenheim	3.50	2.25	18	9		Ipswich	2.45	1.88	25	4	
Green River	3.45	2.05	18	5		Ginger Hill	2.44	1.56	25	4	
Green Island	2.56	1.78	18	6	2.41	Kempshot					3.51
Haughton Hall	3.98	3.17	18	5	2.10	Maldon					
CENTRAL SUB-DIVISION						Garlands	0.57	0.57	18	1	
Knollis	1.93	1.06	24	3	1.54	Mocho, St. James					2.88
Highgate (St. Cath.)	1.88	1.00	25	7	2.60	Catadupa	1.85	1.26	17	3	2.11
Rio Magno	3.84	1.16	24	7	5.03	Cambridge	0.00	0.00			2.08
Riversdale	4.85	4.10	24	4	2.28	New Market	4.28	2.64	26	5	2.71
Headworks, R.C.C.	1.46	0.35	25	5	1.66	Springfield	3.81	2.50	26	6	
Bog Walk	1.67	1.15	25	4	2.19	Seaford Town	1.65	1.05	12	3	
Linstead	2.17	1.50	24	5	2.23	Petersville	2.94	1.54	26	6	2.54
Ewarton	3.49	1.92	24	3		Kew Park	0.73	0.35	1	4	2.22
Greenock						The Bog	5.40	2.05	25	7	2.92
Cave Valley	0.75	0.43	24	4	2.11	Exeter	1.50	0.43	25	5	
Guanaboa Vale	3.16	1.78	18	4	2.27	Bethel Town Dist.	0.95	0.85	17	2	2.95
Point Hill	2.63	1.20	25	5	3.33	Copse					2.53
Brown's Hall	2.10	0.96	26	4	2.25	Burnt Ground	0.66	0.25	18	4	2.40
Bellas Gate	2.39	1.25	25	4	1.60	Haughton Grove	0.26	0.14	25	3	2.84
Rock River	0.85	0.50	26	2	1.48	Knockalva					
Crofts Hill	1.61	1.10	25	3	2.11	Darliston	1.20	0.50	25	5	3.09
Kellitts	1.56	0.82	25	7		Whithorn	0.00	0.00			2.65
Suttons	1.17	0.92	25	2	1.93	Water Works Pen	1.18	0.50	3	4	2.47
Colonel's Ridge	1.84	1.20	25	4		Williamsfield, Wld.	0.44	0.20	16	3	
Chapelton	0.84	0.57	25	8	1.97	Petersfield	0.38	0.25	15	2	
Crooked River	0.15	0.10	19	2	1.70	Baulk	0.64	0.27	15	4	
James Hill	0.90	0.68	25	2		Askenish	5.82	2.92	18	5	2.90
Frankfield	1.65	1.25	25	6	1.92	Grange Hill	1.30	0.46	3	7	2.65
WEST-CENTRAL DIVISION (W.C.)						Mount Eagle					
Mocho, Clarendon	5.36	2.39	16	5	2.19	King's Vale	1.15	0.50	1	5	2.74
Thompson Town	1.13	0.60	25	4		SOUTHERN DIVISION, (S.)					
Porus	3.73	2.05	13	3		Morant Point L. H.	1.89	0.51	19	8	4.05
Borobridge	0.27	0.10	21	3		Golden Grove					
Spaldings	0.41	0.29	21	3	2.71	Pleasant Hill	3.36	1.15	26	15	4.73
Williamsfield	1.39	0.88	16	3	2.70	East Prospect	2.00	0.75	26	9	3.92
Brokenhurst					3.08	Morant Bay	2.44	0.50	2	7	2.82
Shooter's Hill	0.83	0.30	25	5	2.22	Lloyds	0.53	0.15	13	6	
						Yallahs	0.47	0.47	23	1	1.44
						Easington	0.48	0.30	9	3	1.60

STATIONS	Jan., 1944					STATIONS	Jan., 1944				
	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average		Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Mavis Bank	0.00	0.00			2.05	Pennants	0.91	0.50	25	7	..
Harbour Head	0.20	0.20	23	1	0.66	Belle Plain	2.08	1.06	25	6	2.21
Dallas Castle	0.60	0.23	26	7	1.15	Milk River	0.84	0.60	15	4	1.73
Gordon Town	2.14	0.90	25	6	2.90	Retrieve	0.57	0.26	20	3	1.51
Irish Town	2.58	0.60	21	7	2.13	Stone's Hope	1.66	1.00	25	4	2.48
Hope Gardens	1.61	0.98	22	6	1.70	Newport, Man.	0.80	0.54	16	2	2.71
Bamboo Pen						Alligator Pond	0.47	0.47	13	1	1.39
Plumb Point L.H.	0.09	0.09	20	1	0.74	Myersville	1.38	0.45	22	4	..
King's House Gar.	1.53	0.90	22	6	1.30	Goshen	0.26	0.07	3	6	..
Up-Park Camp	0.40	0.15	23	8	..	Bull Savannah	0.47	0.24	15	2	..
Cavaliers	0.43	0.24	28	7	..	Munro	2.26	0.66	22	9	2.23
St. George's College	0.08	0.03	19	4	..	Windsor, St. Eliz.	2.09	0.45	15	12	2.93
Upper Kingston	0.29	0.15	28	5	0.66	Torrington	2.40	1.65	23	4	2.44
Parade Garden	0.00	0.00				Santa Cruz	2.06	0.70	25	9	2.48
Kingston P.W.O.	0.01	0.01	19	1	0.75	Hounslow	1.48	0.55	22	4	..
Shortwood College	1.56	0.69	23	3	..	Pedro Plains	3.06	2.16	28	4	1.64
Constant Spring	2.06	1.02	22	7	..	Mountainside	1.45	0.75	23	5	1.63
Halfway Tree	0.31	0.22	22	2	0.95	Fort Charles	0.68	0.68	26	1	1.47
Clifton Pen	0.28	0.21	28	2	0.70	Black River	1.96	0.70	24	11	1.69
Twickenham Pen	0.20	0.20	23	1	..	Mt. Charles	2.19	0.70	26	5	..
Red Hills	1.15	0.50	22	6	1.84	Mount Edgecombe	2.54	1.43	25	8	2.18
Quarantine Station	0.22	0.12	24	2	0.63	Bluefields	3.36	1.70	25	6	..
Hematine	0.02	0.02	22	1	1.04	Sav.-la-Mar	2.73	1.55	25	3	1.72
Spanish Town	0.08	0.05	28	2	1.27	Little London	1.68	0.88	25	8	1.94
Hog Hole, St. Cath.	0.85	0.31	28	6	1.50	Retreat	0.55	0.39	25	4	1.89
Old Harbour	2.17	1.44	28	4	1.96	Sheffield					
May Pen	1.88	0.92	25	5	1.45	Negril Point L.H.	1.78	1.57	18	3	1.78
Glen Muir	1.35	0.70	25	3	1.70						
Cottage	1.20	0.40	15	4	1.27						

NOTES

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL

DIVISIONAL AND ISLAND RAINFALL	January			
	Rainfall, inches		Days on which Rain fell	
	1944	Ave.	1944	Ave.
North-eastern	6.11	7.75	11	13
Northern	2.59	3.60	7	8
West-central	1.53	2.75	4	7
Southern	1.32	1.88	5	6
The Island means	2.84	4.00	7	8

SHOCKS OF EARTHQUAKE IN JAN., 1944

Date	Standard Time (Approx.)	Intensity	Notes, where, etc.
			None reported

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND

The mean rainfall for the Island was 2.84 inches, or 1.16 inch below the 70-year average of 4.00 inches. The Divisional Means were also below their averages in all Divisions.

The greatest fall for the month was 22.34 inches, at Balcarres, in the North-eastern Division, and the heaviest fall in 24 hours was 6.93 inches, on the 24th, at the same station. No rain was recorded at 6 stations, viz.:—at Albert Town, Craig Head, Cambridge and Whithorn, in the West-Central Division, and at Mavis Bank and Parade Gardens, in the Southern Division.

The mean number of raindays was 7, the average for the month being 8. Averham Park in the North-eastern Division had the greatest number, 21. As stated above, no rainfall was recorded at 6 stations.

The mean rainfall in each parish is given below. The 10-year average is shown for comparison:—

Parish	Jan. 1944	10-year Avg.
	Inches	Inches
Kingston	0.09	0.55
At. Andrew	2.21	2.27
St. Thomas	2.43	3.43
Portland	9.41	10.76
St. Mary	5.24	6.27
St. Ann	3.91	4.25
Trelawny	1.81	2.40
St. James	1.65	1.93
Hanover	2.85	2.38
Westmoreland	1.61	2.46
St. Elizabeth	1.86	1.91
Manchester	1.12	2.24
Clarendon	1.37	1.60
St. Catherine	2.67	2.30

Portland, with 9.41 inches, was highest; St. Mary, with 5.24 inches, was next, and St. Ann, with 3.91 inches, was third. Kingston, with 0.09 inch, was lowest.

CITY OF KINGSTON

The total rainfall for the month of January was very deficient, being only 0.01 inch, as against the 70-year average of 0.75 inch. The upper boundary of Kingston gauged 0.29 inch, with 5 raindays.

Distant rain was observed to the north on 4 days, to northeast on 3, and to northwest on 2 days.

Fresh "Northers" occurred on the 19th, 20th, 21st and 22nd.

The mean barometric pressure was 29.987 inches, or 0.013 inch above the 33-year normal of 29.974 inches. Highest barometer reading was 30.094 inches, on the 21st, at 3.00 p.m. and the lowest was 29.909 inches on the 6th, at 7.00 a.m., corrected for diurnal variation.

Mean temperature for the month was 77.5°, or 1.7° above the normal of 75.8°. The highest maximum was 92.7°, on the 11th, and the lowest minimum was 64.6°, on the 7th, giving an extreme monthly range of 28.1°. On the other hand, the lowest maximum was 85.1°, on the 21st, and the highest minimum was 74.5°, on the 10th. The greatest range, 23.2°, was recorded on the 7th, and the least range, 15.4°, on the 3rd. The maximum temperature rose to 90° and above on 2 occasions, and the minimum was 70° and above on 15 occasions.

The mean daily miles of wind recorded was 178, or about 11% above the 25-year normal of 163. The greatest number of miles of wind recorded in 24 hours was 273, on the 8th, and the least was 122, on the 23rd. Greatest velocity, of short duration, was 26 miles per hour, on the 8th, at about 3.00 p.m. Southeast wind continued late on 7 occasions and was early on 2 occasions.

The mean relative humidity was 70%, or 8% below the normal of 78%. Mean 7.00 a.m. was 79%, and mean 3.00 p.m. was 57%. Lowest 7.00 a.m. was 60%, on the 5th, and lowest 3.00 p.m. was 40%, on the 14th.

Overcast conditions prevailed in the forenoon on 4 occasions and in the afternoon on 10.

Total evaporation for the month was 7.91 inches, the 20-year normal being 5.15 inches.

Mean daily number of sunshine hours 7.8.

NEGRIL POINT LIGHTHOUSE

Table (A) giving the Meteorological results for the year 1943, for Negril Point Lighthouse, situated at the extreme western point of the Island, is appended on pages 6 and 7.

The extreme maximum temperature was 92.3° on the 1st November, and the extreme minimum was 60.7° on the 31st of December. The greatest range of temperature was 28.1°, in the month of December, and the least was 18.5° in the month of September.

The greatest monthly rainfall was 12.26 inches, in May, the 45-year average for the month being 6.22 inches. The least rainfall was 1.58 inch, in the month of February, as against the 45-year average of 1.77 inch. The total number of days with appreciable rainfall was 148. The total rainfall for the year was 53.54 inches, as against the 45-year average of 54.00 inches.

The daily average wind recorded was 130 miles. The highest daily average was 166 in October, and the least was 108 in November.

The observations were conducted by Mr. Donald Levy, J.P., Superintendent of the Lighthouse.

(Sgd.) S. H. HARVEY,
Meteorological Officer.

Weather Office, Kingston,
20th February, 1944.

TABLE (A)—NEGRIL POINT, JAMAICA—METEOROLOGICAL RESULTS FOR THE YEAR 1943

FOR ELEVATION, See Foot Note

Month	Atmospheric Pressure		TEMPERATURE (FAR.)										Dewpoint and Relative Humidity		Rainfall	
	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Min.	Range	Extremes for Month			Actual Fall	Av. for 45-Yrs.
	Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	7 a.m.	3 p.m.		
January	29.990	29.937	76.3	70.0	83.7	85.7	67.9	17.8	88.8	62.4	26.4	°	°	°	Ins.	Ins.
February	30.004	.953	75.6	70.4	82.2	84.0	67.7	16.3	86.3	62.9	23.4	°	°	°	2.09	1.78
March	29.981	.938	76.6	71.6	82.5	85.5	68.8	16.7	88.3	64.5	23.8	°	°	°	1.58	1.77
April	.941	.896	78.2	75.1	83.1	85.1	71.6	13.5	89.3	68.4	20.9	°	°	°	3.26	2.87
May	.942	.899	79.1	76.6	83.0	87.0	71.6	15.4	90.0	69.3	20.7	°	°	°	5.13	3.25
June	.963	.937	79.9	77.4	85.0	87.4	71.9	15.5	89.5	69.3	20.2	°	°	°	12.26	6.22
July	.985	.952	80.8	78.4	85.2	88.5	73.0	15.5	89.7	69.7	20.0	°	°	°	2.45	5.60
August	.909	.889	80.6	77.5	83.9	88.2	73.0	15.2	89.6	70.5	19.1	°	°	°	4.51	5.76
September	.907	.861	81.2	77.9	85.7	88.8	74.3	14.5	90.6	72.1	18.5	°	°	°	4.89	6.37
October	.837	.789	80.0	77.7	81.7	86.8	74.1	12.7	91.3	71.3	20.0	°	°	°	4.20	6.39
November	.909	.860	79.3	74.9	84.2	87.7	72.2	15.5	92.3	69.3	23.0	°	°	°	8.99	8.18
December	29.969	29.917	77.2	72.6	83.1	85.6	69.3	16.3	88.8	60.7	28.1	°	°	°	2.52	3.90
Means	29.945	29.902	78.7	75.0	83.6	86.7	71.3	15.4	89.5	67.5	22.0	°	°	°	1.66	1.91
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	..	53.54	54.00
148																

Barometer pressure reduced to Standard of Kew, 32 degrees, gravity at Lat. 45° and Mean Sea Level. The 75th Meridian West of Greenwich, Standard Time used. Altitude of Barometer above Mean Sea Level 33 ft. Height of Thermometer above ground 4 ft. 6 ins. Height of Rain Gauge above the ground 6 ft. 6 ins. Height of Anemometer above the ground 94 ft. to the 31st May, 1935, and 22 ft. from 1st June 1935.

TABLE (A).—NEGRIL POINT—METEOROLOGICAL RESULTS for year 1943, *Contd.*

Month	Wind, Miles per day	Wind: Average direction and speed (miles per hour)			Clouds: in tenths of sky covered						Weather Conditions, etc.
		7 a.m.	3 p.m.	11 p.m.	Lower		Middle		Upper		
					7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	
January	122	ENE 3.8	NNW 7.5	NE 3.6	0.5	0.9	0.4	3.3	0.9	1.4	Rain 7 days.
February	152	NNE 6.1	Var.	NE 4.9	1.9	0.3	0.6	3.7	2.2	1.3	Rain 7 days.
March	153	ENE 4.8	ESE 9.9	NNE 4.4	0.4	2.9	0.7	3.9	1.1	0.3	Rain 9 days, thunderstorms 3 days.
April	134	ENE 4.3	ESE 8.6	NE 3.4	2.0	4.3	0.4	2.3	1.8	0.4	Rain 10 days, thunderstorms 1 day.
May	129	ENE 4.4	SE 7.4	ENE 3.1	0.3	5.8	1.3	0.7	3.3	0.3	Rain 17 days, thunderstorms 9 days.
June	111	ENE 3.8	SSW 7.6	NE 3.5	0.6	8.4	0.7	1.2	3.7	1.5	Rain 10 days, thunderstorms 14 days.
July	126	ENE 4.1	SSE 8.4	NE 3.8	0.0	7.4	0.3	0.0	5.0	0.8	Rain 13 days, thunderstorms throughout the month.
August	112	ENE 3.8	SSE 8.7	NE 3.8	0.0	7.6	0.4	0.3	4.5	0.3	Rain 20 days, thunderstorms throughout the month.
September	114	NE 3.4	ESE 5.8	NE 6.9	1.6	0.6	2.6	5.9	5.0	1.8	Rain 21 day, thunderstorms throughout the month.
October	166	SE 7.4	ESE 10.0	ESE 6.1	2.8	5.0	0.6	4.5	4.1	2.4	Rain 16 days, severe thunderstorms several days. Wind of 60 m.p.h. on 1 occasion.
November	108	NE 2.4	NNE 5.6	NE 3.5	0.6	3.8	0.4	1.8	2.6	1.6	Rain 11 days, thunderstorms 3 days.
December	138	NE 3.8	N 6.1	NE 4.9	2.7	3.8	0.2	0.8	1.3	0.6	Rain 7 days, Strong "northers" on 19th and 20th.
Means	130	ENE 4.3	ESE 8.0	NE 4.3	1.1	4.2	0.7	2.4	3.0	1.1	Rainfall for the year 53.54 ins. with 148 raindays.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF
FEBRUARY, 1944

The barometric pressures at all the Stations, except the Hill Gardens, and Hope Agricultural Station are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens and Hope Agricultural Station are reduced to the first two standards only. Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The Standard of time used is that of the 75th Meridian West of Greenwich.

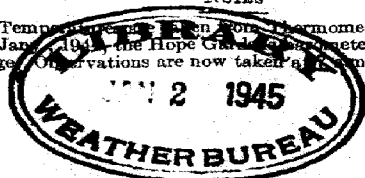
METEOROLOGICAL RESULTS

STATIONS	Elevation	Bar. Pressure		Temperature (F.)				Extreme Temperature (F.)					
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range
	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	30.036	29.997	77.4	81.3	83.3	75.4	7.9	85.5	28	70.0	16	15.5
Kingston	24	30.028	29.977	69.2	84.3	87.6	68.1	19.5	90.0	17*	66.2	10	23.8
Upper Kingston	110	30.027	29.968	68.6	85.2	87.8	67.3	20.5	91.2	13	63.4	8	27.8
Negril Point Light House	33	30.029	29.980	69.7	83.1	85.1	66.6	18.5	88.4	19	61.5	28	26.9
Montego Bay	33												
Castleton Gardens	496			67.5	84.1	85.1	65.4	19.7	88.0	24*	60.0	1	28.0
Hope Agricultural Station	668	29.297	29.221	66.0	83.9	87.1	63.4	23.7	91.0	18	59.5	6	31.5
Hill Gardens, Blue Mountains	4,900	25.269	25.223	55.6	64.2	68.7	53.8	14.9	75.0	22	50.0	26	25.0
Orange River Experimental Station	450			67.6	79.1	81.3	62.4	18.9	84.0	14*	56.0	10	28.0

STATIONS	Elevation	Dewpoint and Rel. Humidity				Rainfall	Wind per diem	Wind: direction from and speed (m.p.h.)				Amount of Cloud † Lower, Middle and Upper					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
		ft.	°	%	°			%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	74	91	76	86	0.30	325	NE	14.0	E	12.0	2.3	3.9	0.4	1.4	3.0	0.4
Kingston	24	61	76	68	58	0.10	185	N	5.0	SE	15.1	1.2	1.1	0.1	1.4	2.6	0.3
Upper Kingston	110	62	76	69	55	0.05	150	N	4.9	SE	11.3	1.1	1.3	0.1	1.0	2.9	0.2
Negril Point Light House	33	63	80	67	59	1.23	117	NNE	3.3	SE	8.4	0.3	0.1	0.6	4.3	0.1	0.5
Montego Bay	33	..	..	..	..	0.00	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens	496	66	93	82	91	0.60	..	..	..	..	..	..	..	..	..	..	..
Hope Agricultural Station	668	58	75	65	53	0.15	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	49	80	57	80	0.41	..	..	..	..	..	..	..	..	..	..	..
Orange River Experimental Station	450	65	92	70	68	0.46	..	..	..	..	..	..	..	..	..	..	..

NOTES

- (1) Kingston—As from 1st January, 1943, Temperature and Wind observations were taken from anemometers located at Winchester Park.
- (2) Hope Agricultural Station—On the 1st January, 1943, the Hope Agricultural Station barometer was moved to a new site on Hope Agricultural Station, near to the thermometers and rain gauge. Observations are now taken at 7 a.m. and 3 p.m. Barometer pressure is at present not reduced to sea level.
- (3) Montego Bay—Observations lapsed.
- * And on other days.
- † Tenths of sky.

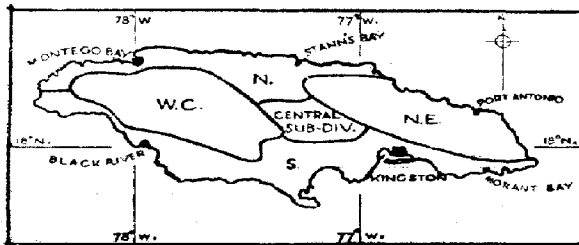


THE RAINFALL

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



STATIONS	February, 1944				
	Total Fall	Greatest fall in 24 hours	Days on which 0.01 or more fell	Average	
	Amount	Date			
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	0.36	0.24	15	2	4.83
Ecclesdown	..	..	..	..	..
Priestman's River	0.45	0.35	13	2	4.19
Bath	1.17	0.31	16	7	4.38
Barrett's Gap	1.19	0.30	5	6	..
Millbank	1.28	0.70	15	4	12.23
Bowden Pen	..	..	..	..	..
Moore Town	2.26	0.89	14	9	12.65
Port Antonio	1.55	0.50	12	4	5.80
Passley Garden	..	..	..	..	4.90
Mt. Pleasant	..	..	..	..	..
Fellowship	2.17	0.75	13	9	9.46
Johnson River Br.	0.48	0.28	14	2	2.33
Trinity Ville	..	..	..	..	2.06
Fruitful Vale	..	..	..	..	..
Shrewsbury	..	..	..	..	10.42
Hope Bay	..	..	..	..	5.40
Cedar Valley	0.53	0.22	15	4	2.58
Swift River	..	..	..	..	..
Lennox	..	..	..	..	6.88
Bybrook	1.85	0.79	6	6	..
Darley	..	..	..	..	..
Spring Garden	..	..	..	..	5.73
Hill Gardens	0.58	0.36	5	5	4.22
Buff Bay	1.05	0.43	13	6	7.13
Plum Valley	2.41	0.58	5	7	..
Belvedere, Portland	1.82	0.63	6	6	8.39
Windsor Castle, do	0.76	0.23	13	6	5.30
Balcarres	1.88	0.64	5	6	10.40
Mt. Holstein	1.02	0.62	5	5	8.49
Cedar Hurst	0.42	0.16	25	7	5.91

February, 1944

STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date		
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Hardware Gap	0.12	0.12	5	1	4.23
Rose Hill	0.64	0.50	5	2	3.97
Mount Cressy	1.25	0.85	5	5	..
Hermitage	0.14	0.14	5	1	2.82
Mount Airy	0.61	0.41	5	3	..
Stony Hill	0.15	0.15	13	1	2.30
Golden Spring	..	..	..	..	..
Brandon Hill	0.00	0.00	..	..	..
Enfield	..	..	..	..	7.80
Agualta Vale	0.67	0.24	6	5	5.09
Castleton Gardens	0.60	0.31	16	5	5.49
Water Valley	0.00	0.00	..	..	4.93
Albany	..	..	..	..	4.83
Platfield	..	..	..	..	..
Lawrence Tavern	0.00	0.00	..	..	2.48
Wey Hill	0.35	0.35	5	1	..
Richmond, St. Mary	0.45	0.15	6	6	4.59
Orange River Experimental Station	0.46	0.11	16	9	..
Quebec, St. Mary	1.12	0.40	13	5	4.33
Above Rocks	0.06	0.06	5	1	..
Glengoffe	0.00	0.00	..	..	..
Carew Castle	0.08	0.08	5	1	2.14
Hampstead, St. Mary	1.10	0.40	21	5	6.15
Windsor Castle do.	0.36	0.24	2	2	5.87
Troja	0.10	0.10	7	1	4.05
Pear Tree Grove	0.00	0.00	..	..	3.94
Guy's Hill	0.12	0.07	1	2	4.42
Lucky Hill	0.22	0.22	13	1	4.98
Rio Hoe	0.46	0.25	16	3	3.87
Unity Valley	0.49	0.30	14	4	3.56
Moneague	0.00	0.00	..	..	3.89
Claremont	0.35	0.12	17	5	4.01
Averham Park	0.38	0.07	3	11	4.43
Albion	0.23	0.14	20	2	3.73
NORTHERN DIVISION (N)					
Port Maria	..	..	..	..	4.81
Wentworth	0.00	0.00	..	..	..
Jacks River	0.70	0.35	16	4	..
Oracabessa	0.90	0.38	13	4	4.38
Retreat	0.56	0.29	16	7	..
Exchange	0.00	0.00	..	..	..
Ocho Rios	0.23	0.23	16	1	3.55
Rockfield	0.65	0.30	16	9	5.06
Liberty Hill	0.16	0.06	6	3	4.07
St. Ann's Bay	0.36	0.24	16	3	4.40
Richmond Estate	0.00	0.00	..	..	3.80
Runaway Bay	0.00	0.00	..	..	2.03
Thatchfield	..	..	..	..	..
Knapdale	0.10	0.10	5	1	4.57
Alexandria	0.00	0.00	..	..	2.38
Bel-Air	0.20	0.15	14	2	2.79
Brown's Town	0.09	0.09	5	1	4.13
Wilton	0.10	0.04	15	3	..
Watt Town, St. Ann	0.00	0.00	..	..	2.18
Home Castle	0.00	0.00	..	..	3.19
Stewart Town	0.00	0.00	..	..	..
Arcadia	..	..	..	..	2.51
Vale Royal	..	..	..	..	2.50
Duncans	0.05	0.05	17	1	1.66
Harmony Hall	0.18	0.18	17	1	2.30
Clark's Town	0.00	0.00	..	..	2.41
Gibraltar	..	..	..	..	..
Falmouth	0.00	0.00	..	..	1.85

February, 1944						February, 1944					
STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
NORTHERN DIVISION, <i>contd.</i>						WEST-CENTRAL DIVISION, <i>contd.</i>					
Adelphi	0.00	0.00	..	..	..	Wait-a-bit	0.00	0.00	..	..	..
Irwin	0.00	0.00	..	..	1.45	Christiana	0.05	0.05	16	1	2.80
Barrett Hall	..	..	..	..	..	Holmwood	..	..	..	..	..
Success	0.00	0.00	..	..	2.13	Edge Hill	0.30	0.20	4	2	3.69
Cornwall	0.00	0.00	..	..	..	Kendal, Manchester	..	..	..	..	2.78
Rose Hall	0.00	0.00	..	..	2.26	Mereworth	0.58	0.23	4	4	3.57
Cinnamon Hill	0.00	0.00	..	..	2.37	Mandeville	0.35	0.18	5	2	2.82
Tryall	0.00	0.00	..	..	1.57	Ulster Spring	0.00	0.00	..	..	3.31
Running Gut	0.00	0.00	..	..	2.07	Greenvale	0.05	0.05	16	1	3.26
Spring Estate	0.00	0.00	..	..	2.41	Albert Town	0.00	0.00	..	..	2.92
Friendship	0.00	0.00	..	..	2.52	Craig Head	0.00	0.00	..	..	..
Windsor Lodge	0.00	0.00	..	..	..	Warsop	0.00	0.00	..	..	3.09
Latium	..	..	..	..	..	Troy	0.00	0.00	..	..	3.22
Retirement	0.00	0.00	..	..	2.19	Wallingford	0.02	0.02	15	1	4.02
Rose Mount	..	..	..	..	..	Balaclava	..	..	..	..	2.86
Montego Bay	0.00	0.00	..	..	1.82	Braes River	0.17	0.17	3	1	..
Anchovy	0.00	0.00	..	..	1.37	Wakefield	0.00	0.00	..	..	2.25
Hopewell	0.00	0.00	..	..	..	Appleton	0.35	0.27	3	2	2.77
Blue Hole	0.00	0.00	..	..	2.97	Aberdeen	0.11	0.08	15	2	..
Cascade	0.00	0.00	..	..	..	Accompong	0.92	0.54	15	2	..
Lucea	0.03	0.03	14	1	2.22	Maggotty	0.18	0.16	15	2	3.55
Haughton Court	0.02	0.02	14	1	2.10	Lacovia	..	..	..	..	3.91
Kendal—Hanover	0.34	0.34	16	1	..	Mulgrave	0.90	0.65	16	2	..
Blenheim	0.11	0.11	14	1	..	Holland	..	..	..	..	..
Cousin's Cove	0.06	0.03	9	2	2.42	Ipswich	0.26	0.26	15	1	..
Green River	0.20	0.20	16	1	..	Ginger Hill	0.46	0.46	15	1	..
Green Island	0.23	0.23	16	1	2.24	Kempshot	..	..	..	..	2.75
Haughton Hall	0.45	0.43	16	2	2.17	Garlands	0.00	0.00	..	..	..
CENTRAL SUB-DIVISION						Mocho, St. James	..	..	..	..	3.34
Knollis	0.00	0.00	..	..	1.67	Catadupa	0.25	0.16	16	2	3.23
Highgate (St. Cath.)	0.13	0.06	5	4	2.53	Cambridge	0.31	0.22	15	2	2.98
Rio Magno	0.19	0.19	6	1	3.05	New Market	0.33	0.33	15	1	3.84
Riversdale	0.00	0.00	..	..	2.18	Springfield	0.90	0.90	15	1	..
Headworks, R.C.C.	0.29	0.17	15	3	1.62	Petersville	..	..	..	..	2.99
Bog Walk	0.00	0.00	..	..	1.68	Kew Park	0.60	0.40	16	2	2.86
Linstead	0.03	0.03	14	1	2.16	Seaford Town	1.30	1.05	16	2	..
Ewarton	0.00	0.00	..	..	..	The Bog	0.25	0.25	15	1	4.05
Cave Valley	0.00	0.00	..	..	2.05	Exeter	0.36	0.26	15	2	..
Guanaboa Vale	1.38	1.38	15	1	2.42	Bethel Town Dist.	0.35	0.20	15	2	3.90
Point Hill	0.68	0.52	15	3	3.20	Burnt Ground	0.00	0.00	..	..	2.76
Brown's Hall	..	..	..	..	2.18	Copse	0.00	0.00	..	..	2.18
Bellas Gate	..	..	..	..	1.70	Haughton Grove	0.00	0.00	..	..	3.02
Rock River	0.51	0.51	15	1	1.69	Knockalva	0.00	0.00	..	..	..
Croft's Hill	0.00	0.00	..	..	1.92	Darliston	1.26	0.77	15	2	3.80
Kellitts	0.11	0.05	15	3	..	Whithorn	1.00	1.00	16	1	2.95
Suttons	0.50	0.50	15	1	2.73	Water Works Pen	1.65	0.89	15	2	3.23
Colonel's Ridge	0.00	0.00	..	..	..	Williamsfield, WLD.	0.16	0.16	16	1	..
Chapelton	0.53	0.53	15	1	1.68	Petersfield	0.97	0.97	16	1	..
Crooked River	0.00	0.00	..	..	2.18	Baulk	0.25	0.25	16	1	..
James Hill	0.10	0.10	16	1	..	Askenish	0.33	0.33	14	1	3.20
Frankfield	0.31	0.31	16	1	2.56	Grange Hill	0.34	0.34	16	1	2.91
WEST-CENTRAL DIVISION (W.C.)						Mount Eagle	..	..	..	..	..
Mocho, Clarendon	2.74	2.01	16	2	2.13	King's Vale	0.00	0.00	..	..	2.49
Thompson Town	0.30	0.30	15	1	..	SOUTHERN DIVISION, (S).					
Porus	..	..	..	..	..	Morant Point L. H.	0.30	0.15	15	5	2.74
Borobridge	0.00	0.00	..	..	..	Golden Grove	..	..	..	..	..
Spaldings	0.04	0.04	13	1	3.39	Pleasant Hill	0.66	0.18	13	5	2.60
Williamsfield	0.36	0.36	16	1	3.84	East Prospect	0.95	0.28	14	8	2.29
Brokenhurst	..	..	..	..	2.70	Morant Bay	0.53	0.21	15	4	1.82
Shooter's Hill	0.20	0.10	14	3	2.61	Lloyds	..	..	..	..	..
						Yallahs	1.44	0.55	13	3	1.21
						Easington	0.00	0.00	..	..	1.28
						Mavis Bank	0.00	0.00	..	..	2.11

February, 1944						February, 1944					
STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Bull Bay HARBOUR HEAD	0.05	0.05	15	1	0.39	Pennants	..	..	..	..	1.97
Dallas Castle	0.14	0.06	15	3	2.27	Cottage	0.00	0.00	..	..	2.57
Gordon Town	0.00	0.00	..	..	1.83	Belle Plain	0.18	0.18	15	1	1.39
Irish Town	0.00	0.00	..	..	1.83	Milk River	0.00	0.00	..	..	1.74
Hope Agricultural Station	0.15	0.15	15	1	1.30	Retrieve	..	..	..	..	2.32
Bamboo Pen	0.10	0.10	13	1	..	Stone's Hope	0.40	0.21	15	3	2.71
Plumb Point L.H.	0.00	0.00	..	..	0.62	Newport, Man.	..	..	..	..	1.40
King's House Gar.	0.00	0.00	..	..	1.25	Alligator Pond	0.00	0.00	..	..	..
Up-Park Camp	0.19	0.08	16	3	..	Myersville	0.51	0.51	4	1	..
Cavaliers	0.08	0.05	15	2	..	Goshen	0.00	0.00	..	..	2.12
St. George's College	0.05	0.04	15	2	..	Munro	0.32	0.21	4	5	2.39
Upper Kingston	0.05	0.04	15	2	0.83	Windsor, St. Eliz.	0.39	0.30	15	4	2.46
Parade Garden	0.11	0.11	13	1	..	Torrington	0.53	0.53	5	1	2.77
Shortwood College	0.01	0.01	13	1	..	Santa Cruz	0.54	0.28	3	4	..
Kingston P.W.O.	0.10	0.08	13	2	0.62	Hounslow	0.93	0.55	5	2	..
Constant Spring	0.00	0.00	..	..	..	Pedro Plains	0.26	0.26	15	1	1.38
Halfway Tree	0.10	0.10	13	1	0.96	Bull Savannah	0.36	0.36	16	1	..
Clifton Pen	0.27	0.18	16	2	0.79	Mountainside	0.19	0.12	15	2	2.06
Twickenham Pen	0.20	0.20	16	1	..	Fort Charles	0.00	0.00	..	..	1.69
Red Hills	0.02	0.02	3	1	2.19	Black River	0.00	0.00	..	..	1.73
Quarantine Station	0.06	0.04	13	2	0.53	Mt. Charles	0.17	0.17	26	1	..
Hematine	0.00	0.00	..	..	1.46	Mount Edgcombe	0.06	0.06	15	1	2.47
Spanish Town	0.03	0.02	13	2	1.36	Bluefields	0.68	0.35	26	3	..
Hog Hole, St. Cath.	0.00	0.00	..	..	1.80	Sav.-la-Mar	0.62	0.50	16	2	2.15
Grove Farm	0.00	0.00	..	..	..	Little London	0.83	0.55	16	3	2.81
Old Harbour	0.14	0.10	14	2	1.93	Retreat	0.78	0.48	20	3	2.51
May Pen	0.77	0.66	15	2	1.80	Sheffield	..	..	..	..	..
Glen Muir	1.00	1.00	15	1	1.34	Negril Point L.H.	1.23	0.72	16	3	1.77

NOTES

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL

DIVISIONAL AND ISLAND RAINFALL	February			
	Rainfall, inches		Days on which Rain fell	
	1944	Ave.	1944	Ave.
North-eastern	0.65	5.64	4	10
Northern	0.16	2.48	1	6
West-Central	0.35	2.96	1	7
Southern	0.30	1.76	2	6
The Island means	0.36	3.21	2	7

SHOCKS OF EARTHQUAKE IN FEBRUARY, 1944

Date	Standard Time (Approx.)	Intensity	Notes, where, etc.
		None Reported	

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND

The mean rainfall for the Island was 0.36 inch, or 2.85 inches below the 70-year average of 3.21 inches. This is the lowest recorded rainfall for any previous February for the past 75 years. The next lowest February rainfall—0.48 inch, occurred in 1933, a year in which very heavy flood rains occurred during the second half of the year—(June to November).

The greatest fall for the month was 2.74 inches, at Mocho, (Clarendon), in the West-Central Division, and the heaviest fall in 24 hours was 2.01 inches, at the same station, on the 16th. No rain fell at 70 stations, viz.:—Brandon Hill, Lawrence Tavern, Glengoffe and Moneague, in the North-eastern Division; at Wentworth, Exchange, Richmond Estate, Runaway Bay, Alexandria, Watt Town—(St. Ann), Home Castle, Stewart Town, Clark's Town, Falmouth, Adelphi, Irwin, Success, Cornwall, Rose Hall, Cinnamon Hill, Tryall, Running Gut, Spring Estate, Friendship, Windsor Lodge, Retirement, Montego Bay, Anchovy, Hopewell, Blue Hole, Cascade, Knollis, Riversdale, Bog Walk, Ewarton, Cave Valley, Croft's Hill, Colonel's Ridge and Crooked River, in the Northern Division; at Borobridge, Wait-a-bit, Ulster Spring, Albert Town, Craig Head, Warsop, Troy, Wakefield, Garlands, Burnt Ground, Copse, Haughton Grove, Knockalva and King's Vale, in the West-Central Division, and at Easington, Mavis Bank, Gordon Town, Irish Town, Plumb Point Lighthouse, King's House, Constant Spring, Hematine, Hog Hole—(St. Catherine), Grove Farm, Cottage, Milk River, Alligator Pond, Goshen, Fort Charles and Black River.

The mean number of raindays was 2, the average for the month being 7. Overton Park in the North-eastern Division, had the greatest number, 11. No rain fell at 70 stations as mentioned above.

The mean rainfall in each parish is given below. The 10-year average is also included for comparison:—

Parish	Feb. 1943	10-year Average
	Ins.	Ins.
Kingston	0.06	0.61
St. Andrew	0.19	2.51
St. Thomas	0.73	2.70
Portland	1.38	7.77
St. Mary	0.63	4.93
St. Ann	0.18	3.45
Trelawny	0.02	2.76
St. James	0.03	2.20
Hanover	0.10	1.93
Westmoreland	0.70	2.90
St. Elizabeth	0.37	3.31
Manchester	0.31	3.09
Clarendon	0.39	2.26
St. Catherine	0.15	2.57

Portland, with 1.38 inches, was highest, St. Thomas, with 0.73 inch, was next, and Westmoreland, with 0.70 inch, was third. Trelawny, with 0.02 inch, was the least.

CITY OF KINGSTON

The total rainfall for the month of February was 0.10 inch, or 0.52 inch below the 70-year average of 0.62 inch. The upper boundary of Kingston gauged 0.05, inch with 2 raindays.

Distant rain was observed to the north, north-east and west, on 1 occasion each.

The mean barometric pressure was 30.016 inches, or 0.029 inch above the 33-year normal of 29.987 inches. Highest barometer reading was 30.081 inches, on the 5th, at 3.00 p.m., and the lowest was 29.953 inches, on the 28th, at 7.00 a.m., corrected for diurnal variation.

Mean temperature was 76.8°, or 1.1° above the 33-year normal of 75.7°. The highest maximum was 90.0°, on the 17th, 18th and 19th, and the lowest minimum was 66.2°, on the 10th, giving an extreme monthly range of 23.8°. On the other hand, the lowest maximum was 85.0°, on the 5th, and the highest minimum was 70.3°, on the 19th. The greatest range was 23.1°, on the 10th, and the least was 16.9°, on the 6th. The maximum temperature rose to 90° and above on 3 occasions, and the minimum was 70° and above on 2 occasions.

The mean daily miles of wind recorded was 185, or 6% above the 25-yearly normal of 174. The greatest number of miles of wind recorded in 24 hours was 297, on the 14th, and the least was 123 on the 24th. Greatest velocity of short duration was 30 miles per hour, on the 14th, at 1.00 p.m. South-east wind on 11 occasions continued till after dusk.

The mean relative humidity was 71%, or 7% below the 33-year normal of 78%. Mean 7 a.m. was 76%, and mean 3 p.m. was 77%. Lowest 7 a.m. was 64% on the 19th, and lowest 3 p.m. was 44%, on the 24th.

Overcast conditions prevailed in the forenoon on 6 occasions, and in the afternoon on 6 occasions.

Total evaporation for the month was 8.34 inches, the 20-year average being 5.10 inches.

Mean daily number of sunshine hours was 8.6.

MORANT POINT LIGHTHOUSE

A table giving the Meteorological Results for the station at Morant Point Lighthouse (situated at the extreme eastern end of the Island) for the year 1943, is appended.

The extreme maximum temperature was 90.5°, on the 28th September, and the extreme minimum was 64.0°, on the 30th December. The extreme range was 22.7°, in December. The greatest monthly range was 11.4°, in the month of October.

The greatest monthly rainfall was 19.64 inches, in October, and the least 1.75 inch, in September. The total number of days with appreciable rain was 167. October recorded the greatest number, 21, and July the least, 8. The total rainfall for the year was 70.26 inches, or 3.26 inches above the 70-year normal of 67.00 inches. The average fall for each day with rain—(167) was 0.42 inch.

The mean total daily miles of wind recorded was 281. June recorded the greatest number, 361, followed by July with 342. The least, 223, was recorded in November.

The observations were conducted by Mr. C. N. Rutty, Superintendent of the Lighthouse.

(Sgd.) S. H. HARVEY,
Meteorological Officer.

Weather Office, Kingston,
20th March, 1944.

IORANT POINT, JAMAICA—METEOROLOGICAL RESULTS FOR THE YEAR, 1943

(For Elevation, etc., See Footnote)

Month	Barometric Pressure		TEMPERATURE (FAH.)								Dewpoint and Relative Humidity		Rain-fall	No. of Days of Rain	
	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Max.	Min.	Range	Extremes for Month		7 a.m.	3 p.m.			
									Max.	Min.					Range
	Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	Ins.		
January	29.996	29.959	79.3	79.9	81.5	82.9	75.0	7.9	84.5	66.5	18.0	74	87	2.71	16
February	30.002	29.962	77.2	75.9	79.8	81.6	73.3	8.3	84.4	67.0	17.4	72	89	3.56	12
March	29.988	29.956	78.7	77.2	81.1	83.6	75.0	8.6	86.6	66.8	19.8	73	87	5.72	13
April	29.948	29.911	79.3	78.4	82.1	84.2	74.5	9.7	87.2	68.0	19.2	74	86	8.81	12
May	29.949	29.919	80.2	79.8	82.1	84.3	76.7	7.6	86.9	71.4	15.5	71	75	6.07	15
June	29.974	29.944	82.0	81.0	84.5	86.2	78.4	7.8	87.5	72.7	14.8	77	89	2.07	11
July	29.996	29.969	82.3	81.8	85.1	86.7	79.5	7.2	89.0	71.5	17.5	77	84	3.54	8
August	29.917	29.888	82.5	81.4	85.8	87.8	77.1	10.7	89.7	72.2	17.5	75	84	4.99	20
September	29.910	29.870	83.5	82.0	86.6	88.5	78.9	9.6	90.5	71.5	19.0	77	85	1.75	12
October	29.843	29.801	80.3	79.3	83.2	86.1	74.7	11.4	90.0	71.0	19.0	75	89	19.64	21
November	29.916	29.865	80.6	79.3	83.7	85.9	75.4	10.5	88.0	70.0	18.0	74	85	9.37	13
December	29.933	29.921	79.2	77.7	81.9	84.2	75.0	9.2	86.7	64.0	22.7	74	88	2.03	14
Means	29.948	29.914	80.4	79.5	83.1	85.2	76.1	9.0	87.6	69.4	18.2	74	86	...	...
Totals														70.26	167

Barometric pressure reduced to Standard of Kew, 32 degrees, gravity at Lat. 45° and Mean Sea Level. The 75th Meridian West of Greenwich Standard Time used. Altitude of Barometer above Mean Sea Level 8 ft. Height of Thermometer above ground 4 ft. 6 ins. Height of Rain Gauge above the ground 3 ft. Height of Anemometer above the ground 18 ft.

MORANT POINT 1943--MEAN RESULTS, contd.

Month	Run of Wind, Miles per diem	Wind: direction and speed (m.p.h.)		Clouds in Tenths						Weather Conditions, etc.
				Lower		Middle		Upper		
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	
January	318	NE 15	NE 12	3.2	3.1	4.4	3.6	0.0	0.3	Overcast 5 days.
February	274	ENE 14	ENE 12	3.7	2.3	3.8	3.9	0.9	0.5	Overcast 8 days.
March	244	ENE 14	E 12	2.5	3.1	3.8	3.8	0.2	0.3	Overcast 6 days. Thunderstorm on the 30th.
April	220	E 12	E 11	2.3	2.6	4.3	3.4	0.9	0.9	Overcast 8 days. Lightning on the 29th.
May	337	E 15	E 14	3.6	3.1	3.9	3.7	0.8	1.1	Overcast 13 days. Lightning on the 17th and 30th.
June	361	E 13	E 12	2.8	1.8	3.6	4.1	0.8	1.2	Overcast 9 days. Thunderstorm on the 12th, 15th and 18th.
July	342	E 13	E 11	2.7	2.1	3.5	3.1	1.2	2.3	Overcast 5 days. Thunderstorm on the 30th and 31st. Lightning on the 5th, 24th, 25th, 26th and 29th.
August	239	E 9	E 8	2.8	1.9	3.5	3.1	1.2	1.6	Overcast 9 days. Lightning on the 6th.
September	242	E 10	E 9	2.8	1.8	3.5	3.0	1.4	2.0	Overcast 11 days. Lightning on the 27th.
October	224	E 10	SE 10	2.9	3.5	4.0	3.5	1.5	1.9	Overcast 19 days. Thunderstorm on the 17th, 24th, 25th, 26th, 27th and 28th. Lightning on the 4th, 5th and 7th.
November	223	NE 10	NE 9	1.3	1.7	3.8	3.7	1.7	2.0	Overcast 9 days. Lightning on the 2nd.
December	338	ENE 13	NE 14	1.8	1.5	3.7	3.8	1.0	0.6	Overcast 7 days.
Mean	281	E 12	E 11	2.7	2.3	3.8	3.6	1.0	1.2	Overcast 109 days. Thunderstorm on 12 days. Lightning on 14 days.



JAMAICA WEATHER REPORT

FOR THE MONTH OF
MARCH, 1944

The barometric pressures at all the Stations, except the Hill Gardens and Hope Agricultural Station, are reduced to the standards of New 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens and Hope Agricultural Station are reduced to the first two standards only. Thermometers are exposed in Stevensons Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m. and entered as having fallen on the previous day.

The standard of time used is that of the 75th Meridian West of Greenwich.

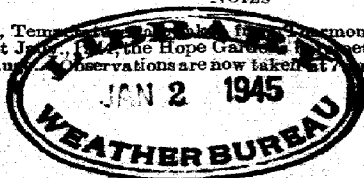
METEOROLOGICAL RESULTS

STATIONS	Elevation	Bar. Pressure		Temperature (F.)					Extreme Temperature (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range
Morant Point Light House	ft.	ins.	ins.	°	°	°	°	°	°		°		°
Kingston	8	29.999	29.954	77.2	82.6	84.2	75.3	8.9	86.0	20	63.5	1	22.5
Upper Kingston	24	29.986	29.940	71.5	83.8	86.8	69.6	17.2	91.8	9	66.7	24	25.1
Negril Point Light House	110	29.990	29.935	71.2	84.3	87.3	68.9	18.4	90.3	9	66.7	24	23.6
Montego Bay	33	29.991	29.945	70.5	82.6	85.4	67.6	17.8	87.5	9	62.3	14	25.2
Castleton Gardens	33	...	...	...	...	...	...	...	...	...	...	...	...
Hope Agricultural Station	496	...	...	69.7	84.6	84.9	65.9	19.0	90.0	5	60.0	10*	30.0
Hill Gardens, Blue Mountains	668	29.257	29.187	70.7	84.9	87.9	66.5	11.4	94.7	7	64.5	1	30.2
Orange River Experimental Station	4,900	25.230	25.182	58.5	63.9	70.4	54.3	16.1	75.0	27	52.0	9	23.0
Station	450	...	...	66.3	84.8	83.3	61.2	22.1	88.0	7	57.0	8	31.0

STATIONS	Elevation	Dewpoint and Rel. Humidity			Rainfall	Wind per diem	Wind: direction from and speed (m.p.h.)			Amount of Cloud † Lower, Middle and Upper					
		7 a.m.	3 p.m.				7 a.m.	3 p.m.		7 a.m.	3 p.m.				
Morant Point Light House	ft.	°	%	°	%	Ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.
House	8	73	89	77	82	1.03	324	E	13.0	E	11.0	2.1	4.0	0.3	1.6
Kingston	24	63	74	67	58	0.02	244	N	4.2	SE	19.1	0.7	1.0	0.6	2.5
Upper Kingston	110	62	73	68	59	0.10	195	NNE	4.1	SE	16.0	0.7	0.9	0.7	1.6
Negril Point Light House	33	64	82	68	64	0.80	128	ENE	2.3	SE	8.1	0.8	0.0	0.5	6.2
Montego Bay	33	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Castleton Gardens	496	67	86	80	75	0.43	...	...	...	...	...	...	...	...	...
Hope Agricultural Station	668	59	72	68	54	0.34	...	...	...	...	...	...	...	...	...
Hill Gardens, Blue Mtns.	4,900	51	77	56	75	0.35	...	...	...	...	...	...	...	...	...
Orange River Experimental Station	450	64	93	67	56	1.30	...	...	...	...	...	...	...	...	...

NOTES

- (1) Kingston—As from 1st January, 1943, Temperature and Rainfall observations were taken at Winchester Park.
 - (2) Hope Agricultural Station—On the 1st January, 1944, the Hope Agricultural Station thermometer was moved to a new site on Hope Agricultural Station, near to the thermometers and rain gauge. Observations are now taken at 7 a.m. and 3 p.m. Barometer pressure is at present not reduced to sea level.
 - (3) Montego Bay—Observations lapsed.
- * And on other days.
† Tenths of sky.

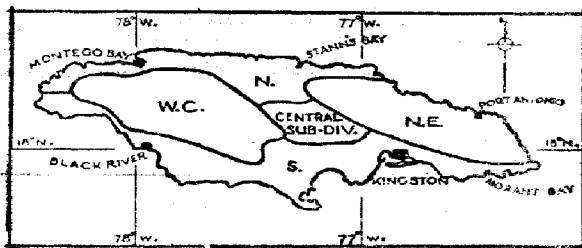


THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



STATIONS	March, 1944				
	Total Fall	Greatest fall in 24 hours	Days on which 0.01 or more fell		Average
	Amount	Date			
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	0.73	0.40	15	4	3.58
Ecclesdown	1.66	0.33	15	9	
Priestman's River	0.54	0.20	9	5	3.45
Bath	0.98	0.30	12	5	4.04
Barrett's Gap	1.29	0.98	15	10	
Millbank	3.87	2.20	15	7	10.33
Bowden Pen	3.87	1.31	15	7	
Moore Town	4.21	1.40	16	8	10.13
Port Antonio	3.40	2.50	15	4	4.59
Passley Garden					4.03
Fellowship	2.95	0.95	16	8	6.72
Johnson River Br.	0.15	0.15	11	1	2.51
Trinity Ville	0.11	0.11	11	1	1.52
Fruitful Vale	1.84	0.35	7	11	
Shrewsbury	2.11	0.49	2	4	8.23
Hope Bay	0.50	0.30	14	2	3.84
Cedar Valley	0.71	0.50	12	2	2.71
Swift River	4.48	3.15	15	4	
Lennox					3.91
Bybrook	2.00	0.83	16	6	
Darley	1.41	0.68	15	8	
Spring Garden					4.58
Hill Gardens	0.35	0.20	15	3	4.32
Buff Bay	1.20	0.80	10	2	4.94
Plum Valley	2.44	1.10	15	3	
Belvedere, Portland	3.94	2.62	15	3	6.53
Windsor Castle, do.					4.72
Balcarras					6.06
Mt. Holstein	0.76	0.50	15	6	6.68
Mount Pleasant	1.50	0.71	15	5	

STATIONS	March, 1944				
	Total Fall	Greatest fall in 24 hours	Days on which 0.01 or more fell		Average
	Amount	Date			
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Cedar Hurat	0.32	0.16	15	7	3.49
Hardware Gap	0.27	0.12	30	3	4.08
Rose Hill	1.13	0.50	16	6	3.84
Mount Cressy	1.35	0.53	18	9	
Hermitage	0.64	0.31	15	5	2.10
Mount Airy	1.18	0.85	16	3	
Stony Hill	0.46	0.40	16	2	2.84
Golden Spring					
Brandon Hill	0.89	0.65	30	3	
Enfield	3.93	2.10	15	3	7.98
Aqualta Vale	0.67	0.41	6	4	4.23
Castleton Gardens	0.43	0.43	30	1	4.81
Water Valley	1.04	0.83	3	4	4.13
Albany					3.91
Platfield	1.75	0.85	18	3	
Lawrence Tavern	1.20	0.84	16	4	2.53
Wey Hill	1.39	1.00	28	4	
Richmond, St. Mary	0.58	0.18	17	8	3.92
Orange River Experimental Station	1.30	0.30	17	8	
Quebec, St. Mary	3.33	1.80	14	5	3.40
Above Rocks	1.74	1.10	16	3	
Glengoffe	2.90	1.60	16	4	
Carew Castle	3.68	2.09	16	3	2.81
Hampstead, St. Mary	0.70	0.50	15	2	4.89
Windsor Castle, do.	0.71	0.30	2	4	5.06
Troja	1.23	1.05	18	3	2.83
Pear Tree Grove	1.03	0.50	3	3	3.80
Guy's Hill	0.81	0.20	8	7	3.64
Lucky Hill	0.84	0.49	15	4	3.29
Rio Hoe	0.10	0.10	31	1	3.56
Unity Valley	1.49	0.71	31	6	3.68
Moncaugue	1.33	0.50	3	4	3.35
Claremont	0.37	0.25	31	2	3.16
Averham Park	0.12	0.05	8	4	3.57
Albion	1.06	0.24	15	5	3.51
NORTHERN DIVISION (N)					
Port Maria	3.69	1.89	14	6	3.28
Wentworth					
Jacks River	1.95	0.55	15	5	
Oracabessa	2.03	0.70	3	2	4.01
Retreat	1.98	0.89	14	7	
Huddersfield					3.64
Exchange	1.40	1.40	14	1	
Ocho Rios	0.51	0.21	4	3	2.79
Rockfield	0.53	0.32	10	5	3.40
Liberty Hill	0.41	0.28	15	3	3.47
St. Ann's Bay	0.60	0.30	14	4	3.05
Richmond Estate	1.56	1.10	14	3	2.70
Runaway Bay	0.09	0.09	9	1	1.79
Thatchfield	1.59	0.95	15	4	
Knapdale	0.71	0.30	15	4	3.63
Alexandria	0.29	0.29	31	1	2.22
Bel-Air	0.45	0.15	10	3	4.20
Brown's Town	0.34	0.18	15	4	3.01
Wilton	0.29	0.17	14	4	
Watt Town, St. Ann	0.09	0.09	31	1	2.13
Home Castle	0.00	0.00			2.67
Stewart Town	0.00	0.00			
Arcadia					2.15
Vale Royal					2.33
Harmony Hall	0.17	0.14	9	2	2.17
Duncans	0.00	0.00			2.40
Clark's Town	0.00	0.00			2.37
Gibraltar	0.00	0.00			

STATIONS	March, 1944					STATIONS	March, 1944				
	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average		Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Falmouth	0.04	0.04	14	1	1.77	Wait-a-bit	0.02	0.02	14	1	..
Maroon Town	..	..	..	..	..	Christiana	1.73	1.09	15	3	4.00
Adelphi	1.75	1.68	16	3	..	Holmwood	2.27	1.77	15	2	..
Windsor Lodge	0.62	0.58	16	2	..	Edge Hill	0.65	0.65	14	1	..
Latium	1.05	0.75	16	3	..	Kendal, Manchester	1.55	0.09	14	2	3.24
Barrett Hall	..	..	..	..	..	Appleton	1.22	0.70	16	2	5.24
Success	1.22	1.12	16	2	1.81	Mereworth	2.47	1.65	14	4	3.52
Cornwall	2.10	2.00	16	2	..	Mandeville	1.70	1.20	14	2	3.89
Rose Hall	1.03	0.93	16	2	1.73	Ulster Spring	0.07	0.07	31	1	3.96
Cinnamon Hill	1.40	1.27	16	2	1.34	Greenvale	2.40	1.57	15	2	3.43
Tryall	0.55	0.45	16	2	1.67	Albert Town	1.50	1.50	16	1	3.82
Running Gut	1.03	0.93	16	2	1.64	Craig Head	0.39	0.39	14	1	..
Spring Estate	1.00	0.90	16	2	1.52	Warsop	0.76	0.50	31	2	2.64
Friendship	1.30	0.90	18	3	2.26	Troy	0.71	0.60	14	3	5.47
Irwin	0.95	0.63	18	3	2.10	Wallingford	0.88	0.70	14	4	5.18
Retirement	1.63	1.27	18	3	2.89	Balacalava	..	..	..	..	4.56
Rose Mount	..	..	..	..	..	Braes River	..	..	..	..	..
Montego Bay	0.72	0.29	18	4	1.67	Wakefield	0.05	0.04	31	2	2.18
Anchovy	1.44	0.42	11	8	2.01	Aberdeen	1.86	1.00	16	4	..
Hopewell	1.17	1.08	17	6	..	Accompong	3.18	1.28	14	6	..
Blue Hole	1.21	0.59	11	5	2.59	Maggotty	0.72	0.40	16	3	5.99
Cascade	6.65	2.23	18	9	..	Lacovia	..	..	..	..	4.41
Lucea	3.69	1.45	11	9	2.42	Mulgrave	2.44	0.90	16	5	..
Haughton Court	..	..	..	..	2.30	Holland	..	..	..	..	..
Kendal—Hanover	4.09	0.90	16	10	..	Ipswich	3.20	1.34	16	7	..
Blenheim	2.88	0.64	31	10	..	Ginger Hill	4.17	2.26	16	7	..
Cousins Cove	3.51	0.75	31	15	3.32	Kempshot	..	..	..	..	3.02
Green River	3.61	0.78	25	10	..	Garlands	..	..	..	..	..
Green Island	3.60	0.80	31	10	3.39	Mocho, St. James	..	..	..	..	5.22
Haughton Hall	2.35	0.61	31	10	2.70	Catadupa	1.69	0.80	16	7	3.96
CENTRAL SUB-DIVISION						Cambridge	1.38	0.75	18	5	4.39
Knollis	1.75	1.00	16	4	2.97	New Market	2.65	0.68	9	9	5.35
Highgate (St. Cath.)	..	..	..	..	3.49	Springfield	5.35	1.88	9	6	..
Rio Magno	1.09	0.91	18	2	4.06	Kew Park	1.77	0.87	15	8	4.32
Riversdale	1.35	0.50	18	4	2.80	Seaford Town	2.05	1.85	16	3	..
Headworks, R.C.C.	0.91	0.41	14	3	2.76	Petersville	1.24	0.44	14	6	5.25
Bog Walk	1.28	0.83	16	3	2.14	The Bog	1.83	0.67	1	8	5.92
Linstead	3.20	2.29	16	4	3.00	Exeter	3.06	0.94	9	10	..
Ewarton	1.11	0.45	18	3	..	Bethel Town Dist.	0.75	0.30	18	5	4.80
Cave Valley	0.22	0.22	31	1	2.57	Copse	..	..	..	..	3.16
Guanaboa Vale	0.09	0.09	30	1	3.01	Burnt Ground	2.68	1.23	17	6	4.24
Point Hill	0.78	0.43	30	2	4.56	Haughton Grove	1.77	0.92	17	5	6.30
Brown's Hall	0.18	0.14	30	2	4.35	Knockalva	..	..	..	..	..
Bellas Gate	0.30	0.25	9	2	2.25	Darliston	..	..	..	..	6.15
Rock River	0.74	0.74	16	1	1.41	Whithorn	5.33	1.84	9	5	4.81
Crofts Hill	0.13	0.13	30	1	2.97	Water Works Pen	7.23	3.42	16	6	4.87
Kellitts	0.04	0.04	30	1	..	Williamsfield, Wld.	2.94	1.20	9	8	..
Suttons	0.08	0.08	16	1	2.74	Petersfield	4.32	1.30	9	6	..
Colonel's Ridge	0.14	0.11	16	2	..	Baulk	3.21	1.49	16	5	..
Chapelton	1.05	0.54	14	3	2.65	Askenish	3.28	1.00	17	11	3.98
Crooked River	0.10	0.10	16	1	2.13	Grange Hill	3.53	1.93	16	9	4.97
James Hill	0.40	0.35	18	2	..	Mount Eagle	..	..	..	..	..
Frankfield	0.66	0.40	13	3	2.30	King's Vale	0.89	0.33	31	4	3.64
WEST-CENTRAL DIVISION (W.C.)						SOUTHERN DIVISION, (S.)					
Mocho, Clarendon	2.72	2.60	14	2	2.98	Morant Point L. H.	1.08	0.62	12	6	2.11
Thompson Town	2.36	2.26	14	2	..	Golden Grove	..	..	..	..	..
Porus	..	..	..	..	..	Pleasant Hill	1.13	0.64	12	4	2.78
Boro-bridge	0.00	0.00	..	..	..	East Prospect	1.26	0.44	12	7	2.59
Spaldings	0.95	0.51	15	3	2.68	Morant Bay	0.47	0.38	12	2	1.80
Williamsfield	..	..	..	..	2.77	Lloyds	0.14	0.09	14	2	..
Brokenhurst	..	..	..	..	3.15	Yallahs	0.30	0.30	18	1	0.98
Shooter's Hill	..	..	..	..	3.02	Easington	0.14	0.10	25	2	1.33
						Mavis Bank	0.61	0.61	15	1	1.71

March, 1944						March, 1944					
STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Harbour Head	0.00	0.00	..	..	0.40	Cottage	0.03	0.03	29	1	0.86
Dallas Castle	0.41	0.14	15	5	1.64	Pennants	..	..	..	..	..
Gordon Town	0.87	0.40	16	3	1.65	Belle Plain	0.29	0.22	14	2	2.64
Irish Town	1.10	0.60	15	3	1.94	Milk River	1.37	1.20	14	3	1.47
Hope Agri. Station	..	..	..	..	1.96	Retrieve	..	..	..	..	1.97
Bamboo Pen	0.34	0.21	18	3	..	Stone's Hope	1.03	0.75	15	3	2.64
Plumb Point L.H.	0.00	0.00	..	..	0.81	Newport, Man.	..	..	..	..	2.94
King's House Gar.	..	..	..	..	1.47	Alligator Pond	0.65	0.41	14	3	1.67
Up-Park Camp	0.12	0.09	31	3	..	Myersville	..	..	..	..	..
Cavaliers	0.12	0.09	21	2	..	Goshen	..	..	..	..	..
St. George's College	0.07	0.03	12	3	..	Munro	0.79	0.61	15	4	3.27
Upper Kingston	0.10	0.05	31	3	0.90	Windsor, St. Eliz.	0.57	0.33	15	4	3.17
Parade Garden	..	..	..	..	..	Torrington	0.66	0.48	14	2	3.06
Shortwood College	0.17	0.11	15	3	..	Santa Cruz	..	..	..	..	4.59
Kingston P.W.O.	0.02	0.01	12	2	0.91	Hounslow	0.00	0.00	..	..	..
Constant Spring	0.22	0.11	15	4	..	Bull Savannah	0.50	0.34	14	2	..
Halfway Tree	0.00	0.00	..	..	0.93	Pedro Plains	0.22	0.22	15	1	1.80
Clifton Pen	0.07	0.04	12	2	1.02	Mountainside	0.37	0.24	16	2	2.53
Twickenham Pen	..	..	..	..	..	Fort Charles	0.00	0.00	..	..	1.84
Red Hills	0.00	0.00	..	..	2.31	Black River	0.35	0.25	15	2	2.58
Quarantine Station	0.08	0.06	12	2	0.62	Mt. Charles	1.06	0.65	15	2	..
Hematine	0.17	0.07	15	3	1.54	Mount Edgecombe	0.60	0.16	14	8	4.01
Spanish Town	0.39	0.20	14	4	1.92	Bluefields	1.65	0.56	18	6	..
Hog Hole, St. Cath.	0.80	0.30	14	6	2.16	Sav.-la-Mar	4.46	3.86	16	4	3.03
Grove Farm	0.25	0.22	15	2	..	Little London	3.03	1.03	16	6	4.00
Old Harbour	0.04	0.04	12	1	2.36	Retreat	1.82	0.68	31	6	3.68
May Pen	0.00	0.00	..	..	2.45	Sheffield	..	..	..	..	..
Glen Muir	..	..	..	..	1.58	Negril Point L.H.	0.80	0.23	16	9	2.87

SHOCKS OF EARTHQUAKE IN MARCH, 1944

NOTES

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL

DIVISIONAL AND ISLAND RAINFALL	March			
	Rainfall, inches		Days on which Rain fell	
	1944	Ave.	1944	Ave.
North-eastern ..	1.31	4.58	4	9
Northern ..	1.02	2.48	3	6
West-central ..	1.91	4.11	4	8
Southern ..	0.68	2.16	2	6
The Island means ..	1.23	3.33	3	7

Date	Standard Time (Approx.)	Intensity	Notes, where, etc.
31st	3.00 a.m.	I	Shrewsbury

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND

The mean rainfall for the Island was 1.23 inch, or 2.10 inches below the 70-year normal of 3.33 inches. The Divisional Falls were also much below normal in all the Divisions.

The greatest fall for the month was 7.23 inches, at Water Works Pen, in the West-Central Division, and the greatest fall in 24 hours was 3.42 inches at the same station. No rain fell at 13 stations, viz.: Home Castle, Stewart Town, Duncans, Clark's Town and Gibraltar, in the Northern Division; at Borobridge, in the West-Central Division, and Harbour Head Plumb Point Lighthouse, Halfway Tree, Red Hills, May Pen, Hounslow and Fort Charles, in the Southern Division.

The mean number of rain days was 3, the average for the month being 7. Cousin's Cove, in the Northern Division, had the greatest number, 15. As mentioned above, no rain fell at 13 stations.

The mean rainfall in each parish is given below. The 10-year average is also given for comparison:—

Parish	1944	10-year Average
	Inches	Inches
Kingston	0.05	0.64
St. Andrew	0.58	1.82
St. Thomas	0.73	1.93
Portland	2.18	6.36
St. Mary	1.47	4.22
St. Ann	0.61	3.17
Trelawny	0.28	3.12
St. James	1.22	2.52
Hanover	2.69	2.78
Westmoreland	2.76	3.34
St. Elizabeth	1.63	3.04
Manchester	1.48	2.49
Clarendon	0.65	1.88
St. Catherine	1.06	2.45

Westmoreland, with 2.76 inches, was highest; Hanover, with 2.69 inches, was second; and Portland, with 2.18 inches was next. Kingston, with 0.05 inch, was the lowest.

The mean total rainfall for the first quarter of the year is given below, compared with the 70-year normal, and shows a deficiency of 6.11 inches:—

	1944	70-year normal
	inches	inches
January	2.84	4.00
February	0.36	3.21
March	1.23	3.33
Totals	4.43	10.54

CITY OF KINGSTON

The total rainfall for the month of March, was 0.02 inch, or 0.89 inch below the 70-year normal of 0.91 inch. There were 2 rain days. The upper boundary of Kingston gauged 0.10 inch, with 3 rain days.

The several directions in which distant rain was observed are as follows:—to north on 4 occasions, to east on 6, and to north-east and north-west on 1 occasion each.

The mean barometer pressure was 29.972 inches, or 0.007 above the 33-year normal of 29.965 inches. Highest barometer reading was 30.069 inches, on the 22nd, at 3.00 p.m., and the lowest was 29.906 inches, on the 8th, at 7.00 a.m., corrected for diurnal variation.

The mean temperature was 77.4° or 0.9° above the 33-year average of 76.5°. Highest maximum temperature was 91.8°, on the 9th, and the lowest Minimum was 66.7°, on the 24th, giving an extreme range of 25.1°. On the other hand, the lowest maximum was 84.7°, on the 11th and the highest minimum was 72.3°, on the 5th. The greatest range was 22.2° on the 5th, and the least was 11.2° on the 15th and 20th. The maximum temperature rose to 90° and above on 1 occasion, and the minimum was 70° and above on 11 occasions.

Mean daily miles of wind was 244, or 23% above the 25-year normal of 188. The greatest number of miles wind recorded in 24 hours was 418, on the 7th and the least was 120, on the 15th. The greatest velocity, of short duration, was 30 miles per hour on the 7th, at 2.30 p.m. South-east wind was early on 2 occasions, late on 22, and throughout the night on 1 occasion.

Mean relative humidity was 69%, or 8% below the 33-year normal of 77%. The mean 7 a.m. was 74%, and the mean 3 p.m. was 58%. Lowest 7 a.m. was 64%, on the 10th, and the lowest 3 p.m. was 29% on the 9th.

Overcast conditions prevailed in the forenoon on 6 occasions, and in the afternoon on 9 occasions.

Total evaporation for the month was 9.67 inches, the 20-year average being 6.69 inches.

Mean sunshine hours 8.2.

EVAPORATION TABLES.

Kingston.—Appended to this Weather Report, No. 822, is a Table (A) summarising the results of the daily evaporation gauged each month of the year 1943, at the city of Kingston. The Evaporimeter continued to be maintained with the same exposure as that in former years since 1924—*vide* Jamaica Weather Report No. 570, page 5, March, 1925.

The maximum evaporation occurred in the month of July when a total of 9.41 inches was gauged representing for this month a daily mean of 0.304 inch. The minimum occurred in October, giving a total of 5.52 inches and a daily mean of 0.178 inch. The total evaporation for the year was 90.47 inches, or 18.75 inches above the 20-year average. The general monthly mean for the 12 months was 7.54 inches with an average daily mean of 0.247 inch, or 0.006 inch more than the previous year. The greatest evaporation in 24 hours was 0.44 inch on the 19th July. The days which gauged the greatest amount of evaporation are indicated by bolder-faced type in the respective columns of the table.

By way of comparison, it may be noted that the rain gauge which is installed in the vicinity of the Evaporimeter, recorded 23.67 inches for the year 1943.

At the foot of the table are shewn the corresponding monthly normals.

Negril Point.—Another Table (B) shewing the evaporation at Negril Point, to the extreme west of Jamaica, is also appended. The maximum monthly evaporation, 6.92 inches, giving a daily mean of 0.223 inch, occurred in March, and the minimum, 4.58 inches, giving a daily mean of 0.152 inch, in November.

The total evaporation for the year was 67.76 inches, or 22.71 inches less than that of Kingston.

The general monthly mean for the year was 5.65 inches, and the year's daily mean was 0.186 inch. The greatest evaporation gauged in 24 hours was 0.39 inch, on the 19th December.

The maximum daily evaporation is indicated by bolder-faced type in the respective columns of the Table.

(Sgd.) S. H. HARVEY,
Meteorological Officer.

Weather Office, Kingston.
20th April, 1944.

TABLE (A) KINGSTON, 1943

Daily Record of Evaporation in inches—Evaporimeter 6 inches above ground and 102 feet above sea-level.
(148½ East Street)

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.18	0.27	0.22	0.26	0.34	0.24	0.23	0.26	0.28	0.24	0.22	0.13
2	0.27	0.15	0.28	0.19	0.18	0.36	0.21	0.34	0.32	0.34	0.22	0.20
3	0.23	0.31	0.32	0.24	0.06	0.34	0.32	0.29	0.35	0.30	0.15	0.09
4	0.27	0.22	0.30	0.08	0.16	0.29	0.23	0.31	0.33	0.28	0.21	0.29
5	0.22	0.01	0.34	0.25	0.04	0.28	0.28	0.33	0.23	0.26	0.09	0.25
6	0.22	0.11	0.36	0.12	0.13	0.18	0.10	0.24	0.10	0.23	0.28	0.22
7	0.20	0.27	0.31	0.08	0.22	0.22	0.29	0.12	0.27	0.20	0.32	0.17
8	0.22	0.16	0.34	0.33	0.34	0.35	0.32	0.27	0.19	0.26	0.21	0.28
9	0.24	0.28	0.30	0.34	0.34	0.17	0.29	0.14	0.39	0.14	0.20	0.19
10	0.22	0.12	0.30	0.36	0.26	0.13	0.39	0.22	0.29	0.29	0.14	0.20
11	0.19	0.34	0.31	0.31	0.23	0.21	0.29	0.28	0.42	0.06	0.11	0.32
12	0.24	0.12	0.34	0.36	0.19	0.26	0.31	0.27	0.35	0.14	0.12	0.18
13	0.07	0.31	0.20	0.33	0.25	0.16	0.29	0.19	0.38	0.16	0.33	0.27
14	0.12	0.15	0.30	0.36	0.25	0.25	0.28	0.30	0.33	0.27	0.25	0.21
15	0.23	0.14	0.25	0.30	0.33	0.05	0.28	0.36	0.37	0.36	0.03	0.29
16	0.24	0.24	0.28	0.28	0.10	0.23	0.42	0.40	0.27	0.36	0.14	0.28
17	0.05	0.10	0.28	0.39	0.30	0.22	0.38	0.24	0.31	0.11	0.27	0.25
18	0.29	0.05	0.37	0.36	0.28	0.27	0.39	0.16	0.26	0.23	0.22	0.31
19	0.25	0.18	0.33	0.35	0.01	0.29	0.44	0.18	0.19	0.01	0.23	0.31
20	0.19	0.18	0.33	0.40	0.26	0.31	0.43	0.27	0.27	0.02	0.24	0.27
21	0.24	0.26	0.42	0.32	0.24	0.35	0.39	0.25	0.30	0.15	0.29	0.09
22	0.25	0.28	0.27	0.24	0.22	0.25	0.32	0.34	0.26	0.01	0.21	0.20
23	0.24	0.30	0.20	0.25	0.16	0.21	0.37	0.30	0.22	0.10	0.19	0.06
24	0.29	0.23	0.25	0.37	0.23	0.33	0.34	0.32	0.23	0.26	0.13	0.22
25	0.31	0.31	0.26	0.30	0.30	0.32	0.27	0.34	0.27	0.05	0.19	0.34
26	0.26	0.24	0.30	0.29	0.31	0.39	0.32	0.15	0.34	0.01	0.22	0.26
27	0.31	0.33	0.34	0.38	0.40	0.25	0.27	0.22	0.25	0.17	0.26	0.24
28	0.29	0.33	0.33	0.28	0.35	0.29	0.28	0.30	0.16	0.15	0.19	0.12
29	0.20	...	0.19	0.25	0.26	0.29	0.27	0.25	0.28	0.06	0.23	0.29
30	0.22	...	0.11	0.18	0.25	0.33	0.11	0.30	0.29	0.01	0.22	0.21
31	0.30	...	0.28	...	0.29	...	0.30	0.36	...	0.29	...	0.32
Total	7.05	5.99	9.01	8.55	7.28	7.69	9.41	8.30	8.50	5.52	6.11	7.06
Daily Means	0.227	0.214	0.291	0.285	0.235	0.256	0.304	0.261	0.283	0.178	0.204	0.228
20-year monthly Averages	5.15	5.10	6.69	7.40	7.46	6.89	7.88	7.02	5.31	4.26	3.98	4.58

The total Evaporation for the year 1943 was 90.47 inches.
The 20-year Average Evaporation is 71.72 inches.

TABLE (B) NEGRIL POINT, YEAR 1943

Daily Record of Evaporation, in inches—Evaporimeter 4 inches above ground and 27 feet above sea-level

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.15	0.13	0.22	0.20	0.22	0.19	0.22	0.18	0.23	0.19	0.08	0.20
2	0.13	0.14	0.29	0.21	0.21	0.20	0.27	0.19	0.13	0.21	0.17	0.19
3	0.17	0.17	0.24	0.22	0.14	0.19	0.19	0.13	0.27	0.14	0.16	0.21
4	0.11	0.20	0.18	0.18	0.18	0.17	0.15	0.16	0.18	0.20	0.23	0.26
5	0.13	0.31	0.26	0.00	0.21	0.17	0.19	0.11	0.18	0.21	0.24	0.11
6	0.17	0.08	0.20	0.05	0.14	0.12	0.09	0.15	0.26	0.16	0.21	0.15
7	0.13	0.25	0.21	0.14	0.18	0.10	0.16	0.20	0.18	0.20	0.27	0.16
8	0.14	0.20	0.25	0.20	0.22	0.11	0.22	0.12	0.22	0.24	0.16	0.14
9	0.12	0.31	0.25	0.27	0.14	0.13	0.28	0.11	0.24	0.14	0.22	0.17
10	0.17	0.19	0.27	0.23	0.21	0.16	0.26	0.26	0.21	0.21	0.20	0.13
11	0.15	0.10	0.12	0.22	0.18	0.26	0.16	0.22	0.19	0.19	0.11	0.18
12	0.15	0.25	0.30	0.17	0.23	0.17	0.20	0.12	0.22	0.17	0.11	0.17
13	0.09	0.28	0.16	0.24	0.21	0.18	0.26	0.18	0.25	0.20	0.15	0.17
14	0.18	0.20	0.24	0.23	0.17	0.10	0.23	0.20	0.18	0.20	0.11	0.13
15	0.16	0.24	0.32	0.20	0.22	0.07	0.25	0.13	0.25	0.25	0.11	0.15
16	0.08	0.23	0.22	0.20	0.11	0.17	0.20	0.22	0.19	0.23	0.05	0.17
17	0.14	0.26	0.17	0.27	0.20	0.17	0.17	0.24	0.20	0.26	0.15	0.26
18	0.09	0.14	0.19	0.29	0.22	0.24	0.21	0.11	0.15	0.06	0.13	0.17
19	0.14	0.16	0.20	0.29	0.18	0.14	0.20	0.19	0.20	0.08	0.25	0.39
20	0.11	0.12	0.20	0.24	0.12	0.16	0.25	0.22	0.18	0.10	0.11	0.28
21	0.20	0.18	0.13	0.20	0.14	0.22	0.28	0.23	0.16	0.02	0.17	0.22
22	0.11	0.20	0.24	0.18	0.26	0.20	0.21	0.20	0.17	0.22	0.11	0.16
23	0.24	0.15	0.30	0.25	0.15	0.18	0.22	0.23	0.17	0.07	0.11	0.17
24	0.15	0.14	0.22	0.30	0.15	0.27	0.25	0.26	0.21	0.08	0.13	0.19
25	0.22	0.18	0.27	0.13	0.20	0.25	0.14	0.28	0.22	0.03	0.13	0.22
26	0.18	0.28	0.29	0.19	0.28	0.26	0.19	0.14	0.21	0.00	0.15	0.10
27	0.15	0.22	0.25	0.20	0.25	0.15	0.22	0.25	0.13	0.31	0.15	0.09
28	0.28	0.21	0.20	0.25	0.21	0.22	0.14	0.14	0.16	0.24	0.14	0.18
29	0.14	..	0.24	0.23	0.15	0.16	0.24	0.12	0.21	0.20	0.13	0.20
30	0.16	..	0.19	0.30	0.16	0.20	0.22	0.20	0.20	0.15	0.14	0.16
31	0.05	..	0.10	..	0.24	..	0.24	0.21	..	0.16	..	0.25
Total ..	4.59	5.52	6.92	6.28	5.88	5.31	6.25	5.63	5.95	5.12	4.58	5.73
Daily means	0.148	0.198	0.223	0.209	0.189	0.177	0.202	0.182	0.198	0.167	0.152	0.185

The total Evaporation for the year was 67.76 inches.



JAMAICA WEATHER REPORT

FOR THE MONTH OF
APRIL, 1944

The barometric pressures at all the Stations, except the Hill Gardens, and Hope Agricultural Station are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens and Hope Agricultural Stations are reduced to the first two standards only. Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The Standard of time used is that of the 75th Meridian West of Greenwich.

METEOROLOGICAL RESULTS

STATIONS	Elevation ft.	Bar. Pressure		Temperature (F.)					Extreme Temperature (F.)			
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date
		ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.973	29.929	78.5	83.4	85.1	75.6	9.5	87.2	26	68.0	30
Kingston	24	29.964	29.912	75.7	84.2	87.5	72.3	15.2	91.5	7	68.3	2
Upper Kingston	110	29.964	29.912	76.1	84.8	88.2	71.7	16.5	91.2	26	67.4	2
Negril Point Light House	33	29.996	29.916	74.7	82.6	85.2	71.0	14.2	87.3	18	67.7	3
Montego Bay	33	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens	496	..	..	..	..	..	..	..	..	..	..	..
Hope Agricultural Station	668	29.228	29.152	72.9	88.2	89.1	68.9	20.2	92.0	9	66.0	2
Hill Gardens, Blue Mountains	4,900	25.545	25.026	58.7	72.1	78.1	57.8	20.3	79.0	18	53.0	2
Orange River Experimental Station	450	..	..	69.4	82.2	84.3	64.3	20.0	88.0	3*	60.0	3*

STATIONS	Elevation	Dewpoint and Rel. Humidity				Rainfall	Wind per diem	Wind direction and speed (m.p.h.)				Amount of Cloud † Lower, Middle and Upper					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
		°	%	°	%			ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.
Morant Point Light House	8	74	88	76	80	1.21	293	E	11.0	E	12.0	2.3	5.2	0.3	1.7	4.1	0.9
Kingston	24	67	72	70	62	0.04	242	N	4.3	SE	19.2	1.3	0.6	1.3	3.6	1.6	1.0
Upper Kingston	110	66	72	70	63	0.26	184	N	4.2	SE	15.2	0.7	1.5	0.8	1.7	3.8	0.7
Negril Point Light House	33	70	86	73	71	6.55	126	NE	2.0	SE	7.3	1.8	0.1	0.8	7.0	0.3	0.0
Montego Bay	33	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens	496	..	..	..	..	6.17	..	..	..	..	..	..	..	..	..	..	..
Hope Agricultural Station	668	63	74	68	59	1.51	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	54	83	59	86	2.78	..	..	..	..	..	..	..	..	..	..	..
Orange River Experimental Station	450	67	93	71	69	9.57	..	..	..	..	..	..	..	..	..	..	..

Notes

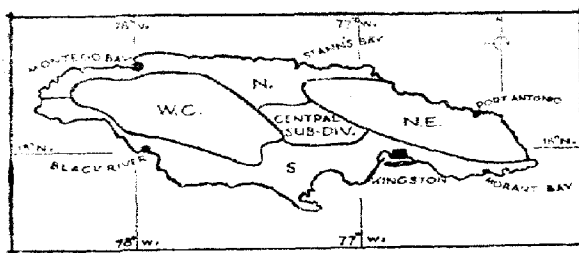
- (1) Kingston—As from 1st January, 1943, Temperatures are taken from thermometers located at Winchester Park.
 - (2) Hope Agricultural Station—On the 1st Jan., 1944, the Hope Gardens barometer was moved to a new site on Hope Agricultural Station, near to the thermometers and rain gauge. Observations are now taken at 7 a.m. and 3 p.m. Barometer pressure is at present not reduced to sea level.
 - (3) Montego Bay—Observations lapsed
 - (4) Castleton Gardens—No temperature readings this month.
- * And on other days.
† Amounts are expressed in tenths of the sky.

THE RAINFALL

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



April, 1944

STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date		
NORTH-EASTERN DIVISION (N.E.)					
	Ins.	Ins.			Ins.
Manchioneal	2.11	0.94	30	6	7.04
Ecclesdown	3.99	1.70	30	10	
Priestman's River					5.53
Bath	2.04	0.86	30	11	6.45
Barrett's Gap	5.50	2.85	30	11	
Millbank	10.96	6.72	30	5	13.96
Bowden Pen	8.44	4.69	30	8	
Moore Town	6.94	2.95	6	10	11.58
Port Antonio	5.95	2.50	6	7	6.85
Passley Garden					7.14
Fellowship	10.35	5.10	30	11	9.53
Johnson River Br.	0.79	0.34	30	3	4.10
Trinity Ville					3.72
Fruitful Vale	15.10	4.62	7	8	
Shrewsbury	11.77	7.30	6	3	9.98
Hope Bay	14.93	7.68	6	4	8.07
Cedar Valley	2.19	1.40	29	6	3.91
Swift River	16.24	6.50	6	5	
Lennox	17.72	9.40	7	3	7.77
Bybrook	10.16	4.71	7	5	
Darley	8.31	3.81	7	11	
Spring Garden					5.64
Hill Gardens	2.78	1.45	30	7	5.60
Buff Bay	15.42	7.20	7	4	6.50
Plum Valley	16.80	7.09	7	5	
Belvedere, Portland	15.10	6.00	6	6	7.02
Windsor Castle, do	25.22	10.58	7	8	6.05
Balcarras	6.04	5.56	30	5	7.22
Mt. Holstein	4.37	3.84	30	6	7.26
Cedar Hurst	3.60	3.15	30	7	7.22
NORTHERN DIVISION (N)					
Carew Castle	4.28	0.87	28	13	5.10
Hampstead, St. Mary	12.80	4.80	7	5	5.66
Windsor Castle, do.	8.32	2.40	5	5	6.89
Troja	2.73	1.51	30	5	6.71
Pear Tree Grove	5.11	2.23	30	5	5.48
Guy's Hill	5.33	1.63	30	5	5.45
Lucky Hill	7.22	3.07	7	6	4.95
Rio Hoe	4.34	2.76	5	4	4.95
Unity Valley	3.89	3.05	5	6	5.42
Moneague	3.63	3.02	5	5	4.99
Claremont	6.00	3.33	5	5	4.53
Averham Park	11.39	5.18	5	8	4.91
Albion	4.87	2.90	5	6	4.91
NORTHERN DIVISION (N)					
Port Maria	8.07	4.02	6	7	4.13
Wentworth					
Jacks River	7.28	3.50	5	7	
Oracabessa	7.59	4.98	5	6	4.72
Retreat	5.75	2.41	5	9	
Huddersfield					3.43
Exchange	7.30	3.20	5	5	
Ocho Rios	6.80	2.30	7	4	3.51
Rockfield	8.98	3.67	5	8	5.08
Liberty Hill	8.64	2.82	7	6	4.00
St. Ann's Bay	11.78	3.88	7	7	3.87
Richmond Estate	16.84	7.76	7	6	3.55
Runaway Bay	9.77	5.08	7	6	1.96
Thatchfield	15.64	5.25	7	6	
Knapdale	9.91	3.99	5	6	5.80
Alexandria	3.20	1.90	5	4	3.88
Bel-Air	13.10	4.85	7	6	4.15
Brown's Town	6.50	3.76	5	6	3.98
Wilton	9.39	3.39	5	6	
Watt Town, St. Ann	3.62	2.30	5	3	4.08
Home Castle	11.14	4.05	5	5	3.51
Stewart Town	8.52	4.20	4	7	
Arcadia					2.73
Vale Royal					2.98
Harmony Hall	6.49	3.03	5	4	2.24
Duncans	7.11	3.10	7	3	3.20
Clark's Town	8.01	2.53	7	4	4.02
Gibraltar	6.18	2.36	5	6	

April, 1944

STATIONS

NORTH-EASTERN DIVISION, contd.

STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date		
Hardware Gap	5.43	1.49	27	5	6.51
Rose Hill	3.95	1.05	30	7	6.81
Mount Cressy	6.17	2.92	30	12	
Hermitage	3.72	1.11	28	15	4.36
Mount Airy	4.70	1.67	30	7	
Stony Hill	3.38	1.63	28	9	5.22
Golden Spring	3.01	1.04	13	6	
Brandon Hill	3.54	1.51	30	4	
Enfield	8.65	5.24	6	4	9.41
Agualta Vale	16.12	6.10	6	5	4.96
Castleton Gardens	6.17	3.00	30	8	6.93
Water Valley	16.25	6.85	7	4	4.84
Albany					4.84
Platfield	2.08	0.74	5	6	
Lawrence Tavern	3.89	1.62	27	8	4.80
Wey Hill	2.12	0.72	30	4	
Richmond, St. Mary	7.95	2.30	7	6	4.77
Orange River Experimental Station	9.57	2.79	6	7	
Quebec, St. Mary	8.60	4.00	6	7	4.04
Above Rocks	5.12	2.00	28	10	
Glengoffe	2.54	0.75	27	6	
Carew Castle	4.28	0.87	28	13	5.16
Hampstead, St. Mary	12.80	4.80	7	5	5.66
Windsor Castle, do.	8.32	2.40	5	5	6.89
Troja	2.73	1.51	30	5	6.71
Pear Tree Grove	5.11	2.23	30	5	5.48
Guy's Hill	5.33	1.63	30	5	5.45
Lucky Hill	7.22	3.07	7	6	4.95
Rio Hoe	4.34	2.76	5	4	4.95
Unity Valley	3.89	3.05	5	6	5.42
Moneague	3.63	3.02	5	5	4.99
Claremont	6.00	3.33	5	5	4.53
Averham Park	11.39	5.18	5	8	4.91
Albion	4.87	2.90	5	6	4.91

April, 1944						April, 1944					
STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
NORTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	WEST-CENTRAL DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.
Falmouth	8.32	2.67	5	4	2.20	Wait-a-bit	6.10	1.95	5	9	
Maroon Town						Christiana	9.64	2.28	5	9	6.59
Adelphi	4.34	1.60	5	6		Holmwood	10.30	2.68	5	7	
Windsor Lodge	4.79	2.25	5	6		Edge Hill	15.65	5.27	28	8	6.30
Latium	1.65	0.75	6	5		Kendal, Manchester	7.94	2.55	28	6	6.23
Barrett Hall						Mereworth	8.76	3.65	30	11	7.66
Success	5.76	3.00	4	4	1.95	Mandeville	7.40	2.54	29	6	6.01
Cornwall	4.20	1.23	5	4		Ulster Spring	5.45	2.37	5	8	6.85
Rose Hall	5.64	1.98	4	4	1.94	Greenvale	8.06	2.20	25	6	6.63
Cinnamon Hill	5.87	1.80	4	4	2.01	Albert Town	7.16	2.06	4	7	6.68
Tryall	8.30	3.70	4	4	2.69	Craig Head	6.43	1.84	28	6	
Running Gut	5.78	2.60	6	4	1.88	Warsop	9.99	3.50	28	11	8.64
Spring Estate	10.25	5.50	6	4	1.67	Troy	6.53	2.00	27	10	8.57
Friendship	2.79	1.01	5	6	3.87	Wallingford	14.38	3.86	4	13	9.71
Irwin	2.00	0.90	5	4	2.81	Balaclava	13.12	3.65	4	10	9.03
Retirement	2.04	0.95	5	5	4.74	Braes River	10.40	2.50	28	8	
Montego Bay	1.63	0.74	5	3	3.20	Wakefield	6.10	3.70	5	3	5.07
Anchovy	3.13	1.10	4	10	3.23	Appleton	12.72	2.90	6	12	9.65
Hopewell	3.73	1.28	5	7		Aberdeen	15.19	3.38	4	16	
Blue Hole	7.08	2.06	5	9	4.01	Accompong	15.75	3.00	26	13	
Cascade	10.77	3.47	5	11		Maggotty	13.28	2.25	28	12	9.97
Lucea	6.69	3.84	5	11	3.63	Lacovia					7.84
Haughton Court	3.42	1.16	31	7	3.55	Mulgrave	16.64	2.40	26	18	
Kendal—Hanover	6.24	2.98	4	10		Holland					
Cousin's Cove	9.60	2.86	12	17	6.45	Ipswich	14.07	1.99	5	18	
Blenheim	9.77	2.91	5	10		Ginger Hill	12.15	2.56	28	10	
Green River	9.60	3.00	5	11		Kempshot					5.16
Green Island	7.89	4.09	5	10	5.51	Maldon					
Haughton Hall	4.31	1.37	5	14	5.42	Garlands					
CENTRAL SUB-DIVISION						Mocho, St. James					0.89
Knollis	2.67	0.61	28	7	5.25	Catadupa	11.30	2.36	27	13	8.32
Highgate (St. Cath.)	4.61	1.05	23	10	5.91	Cambridge	5.69	1.10	5	10	7.43
Rio Magno	3.17	1.76	30	4	5.61	New Market					9.94
Riversdale	1.99	0.61	2	4	5.79	Springfield	14.31	2.71	5	15	
Headworks, R.C.C.	1.01	0.60	24	5	3.59	Seaford Town	17.56	3.57	23	12	
Bog Walk	1.46	0.50	5	8	4.51	Petersville					7.19
Linstead	2.76	0.91	5	7	1.10	Kew Park	11.12	2.20	4	15	8.23
Ewarton	3.34	2.31	5	4		The Bog					0.24
Greenock						Exeter					
Cave Valley	6.65	3.43	5	6	4.83	Bethel Town Dist.	9.42	2.30	4	12	9.57
Guanaboa Vale	2.26	1.96	29	2	4.68	Copse					5.91
Point Hill	5.99	2.00	5	6	5.52	Burnt Ground	4.90	1.15	23	11	6.46
Brown's Hall	4.87	1.82	5	8	4.17	Haughton Grove	4.49	1.47	4	8	7.49
Bellas Gate	3.43	1.95	5	7	3.13	Knockalva					
Rock River	4.21	2.42	5	3	3.63	Darliston	14.48	3.70	4	18	1.26
Croft's Hill	6.54	3.84	5	8	4.44	Whithorn	5.07	1.58	23	9	7.64
Kellitts	5.79	1.92	28	8		Water Works Pen	7.21	2.17	4	12	8.05
Suttons					4.37	Williamsfield, WLD.	9.01	3.10	4	12	
Colonel's Ridge	6.29	3.00	5	5		Petersfield	6.66	2.41	4	12	
Chapelton	4.93	2.36	5	6	3.85	Baulk	12.07	3.33	26	16	
Crooked River	3.54	2.78	5	9	5.61	Askenish	9.30	3.90	5	11	8.65
James Hill	5.76	2.98	5	6		Grange Hill	10.78	2.74	4	17	7.71
Frankfield	7.91	3.85	5	6	4.58	Mount Eagle					
WEST-CENTRAL DIVISION (W.C.)						King's Vale	2.07	0.94	4	6	5.62
Mocho, Clarendon	4.02	1.62	5	4	4.92	SOUTHERN DIVISION, (S.)					
Thompson Town	9.57	4.68	5	6		Morant Point L. H.	1.21	0.65	29	9	3.52
Porus	7.82	2.83	29	3		Golden Grove					
Borobridge	2.86	2.00	5	4		Pleasant Hill	1.01	0.40	21	7	3.92
Spaldings	7.28	3.54	5	9	5.03	East Prospect	0.61	0.25	20	5	4.56
Williamsfield					5.32	Morant Bay	0.64	0.30	21	5	3.08
Brokenhurst					5.40	Lloyds	0.63	0.24	9	4	
Shooter's Hill	7.64	2.61	5	8	4.73	Yallahs	0.61	0.37	5	2	1.60
						Easington	0.62	0.25	29	2	1.95

April, 1944						April, 1944					
STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Mavis Bank	0.82	0.47	28	2	2.93	Cottage	2.15	1.80	5	4	3.46
Harbour Head	0.68	0.38	30	4	0.86	Pennants	7.55	2.87	29	6	...
Dallas Castle	1.72	0.83	28	5	3.06	Belle Plain	3.93	1.83	29	3	4.86
Gordon Town	3.05	1.60	27	4	3.37	Milk River	2.05	1.00	5	5	2.45
Irish Town	4.98	1.30	28	6	3.94	Retrieve	...	...	...	...	3.37
Hope Agricultural Stn.	1.51	0.83	27	10	2.93	Stone's Hope	5.35	3.22	5	5	4.30
Bamboo Pen	1.25	0.61	30	6	...	Newport, Man.	...	...	...	...	4.78
Plumb Point L.H.	...	...	...	...	1.13	Alligator Pond	3.32	2.45	5	5	3.07
King's House Gar.	1.78	0.94	28	9	2.50	Myersville	8.26	2.21	30	4	...
Up-Park Camp	0.50	0.23	30	5	...	Goshen	14.91	5.00	28	7	...
Cavaliers	0.27	0.11	30	5	...	Bull Savannah	3.90	1.80	5	5	...
St. George's College	0.33	0.19	30	5	...	Munro	5.79	1.90	30	9	4.36
Upper Kingston	0.26	0.16	30	6	1.07	Windsor, St. Eliz.	6.67	2.65	30	8	5.05
Parade Garden	0.24	0.24	30	1	...	Torrington	9.73	2.15	30	6	4.80
Kingston P.W.O.	0.04	0.02	6	3	1.14	Santa Cruz	13.34	4.92	28	10	8.67
Shortwood College	3.93	2.04	28	9	...	Hounslow	5.54	2.00	6	6	...
Constant Spring	2.94	1.52	28	8	...	Pedro Plains	2.16	1.58	27	6	2.76
Halfway Tree	0.28	0.12	29	4	1.90	Mountainside	7.02	2.05	28	6	5.17
Clifton Pen	0.15	0.08	30	3	1.71	Fort Charles	2.09	0.50	6	5	2.46
Twickenham Pen	0.14	0.12	31	2	...	Black River	4.86	3.65	28	6	3.92
Red Hills	1.03	0.34	24	7	4.16	Mt. Charles	3.07	0.84	25	15	...
Quarantine Station	0.55	0.40	29	4	1.33	Mount Edgecombe	10.78	1.93	27	17	5.51
Hematine	0.61	0.27	25	4	2.47	Bluefields	12.15	4.80	23	14	...
Spanish Town	0.84	0.45	25	5	2.34	Sav.-la-Mar	5.87	1.95	23	9	4.98
Hog Hole, St. Cath.	0.47	0.22	5	4	3.18	Little London	11.41	3.70	23	12	5.99
Old Harbour	1.00	1.00	5	1	3.14	Retreat	8.48	2.58	26	13	4.99
May Pen	2.13	1.68	5	3	3.14	Sheffield	...	...	...	...	...
Glen Muir	3.50	2.00	29	2	3.70	Negril Point L.H.	6.55	1.25	4	15	3.25
Grove Farm	1.46	0.90	30	3	...						

NOTES

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL

DIVISIONAL AND ISLAND RAINFALL	April			
	Rainfall, inches		Days on which Rain fell	
	1944	Ave.	1944	Ave.
North-eastern	7.59	6.40	6	10
Northern	6.07	3.52	6	7
West-Central	8.69	7.09	10	11
Southern	3.54	3.44	6	7
The Island means	6.47	5.11	7	9

SHOCKS OF EARTHQUAKE IN APRIL, 1944

Date	Standard Time (Approx.)	Intensity	Notes, where, etc.
12.4.44	12.00	I	Shrewsbury

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—APRIL

The mean rainfall for the Island was 6.47 inches, or 1.36 inches above the 70-year normal of 5.11 inches. The Divisional Means were also above their averages, in all division, especially the Northern Division.

The greatest fall for the month was 25.22 inches, at Windsor Castle, Portland, in the North-eastern Division and the greatest fall in 24 hours was 9.40 inches, at the same station, on the 7th.

The mean number of rain days was 7, the average for the month being 9. The greatest number of rain days, 18, was recorded at Mulgrave, Ipswich and Darliston, all in the West-Central Division.

The mean rainfall in each parish is given below. The 10-year average is also shown for comparison:—

Parish	April, 1944	10-Year Average
	Inches	Inches
Kingston	0.22	1.08
St. Andrew	2.62	4.45
St. Thomas	1.44	4.67
Portland	10.92	10.45
St. Mary	8.33	6.63
St. Ann	8.33	5.62
Trelawny	7.99	5.18
St. James	4.73	5.21
Hanover	6.66	6.13
Westmoreland	9.91	7.85
St. Elizabeth	9.97	6.97
Manchester	8.19	5.08
Clarendon	5.00	4.48
St. Catherine	2.72	4.93

Portland, with 10.92 inches, was highest; St. Elizabeth, with 9.97 inches, was next, and Westmoreland, with 9.91 inches, was third. Kingston, with 0.22 inch was lowest.

CITY OF KINGSTON

The total rainfall for the month of April, was 0.04 inch, or 1.10 inch below the 70-year normal of 1.14 inch. There were 3 days with appreciable rain. The Upper Boundary of Kingston gauged 0.26 inch, with 6 rain days.

Distant rain was observed to the north on 10 occasions, to north-east on 4 and to north-west on 1 occasion.

Distant thunderstorm occurred to the north on 1 occasion.

Intense local thunderstorm occurred on the 27th, at about 2.00 p.m.

The mean barometric pressure was 29.945 inches, or 0.004 inch above the 33-year normal of 29.941 inches. Highest barometer reading was 30.017 inches, on the 21st, at 3.00 p.m., and the lowest was 29.861 inches, on the 15th at 7.00 a.m., corrected for diurnal variation.

The mean temperature for the month was 79.4°, or 1.2° above the normal of 78.2°. The highest maximum was 91.5°, on the 7th, the lowest minimum was 68.3°, on the 2nd, giving an extreme monthly range of 23.2°. On the other hand, the lowest maximum was 84.5°, on the 24th, and the highest minimum was 78.2°, on the 10th. The greatest range, 20.5°, was recorded on the 7th, and the least, 11.2°, was recorded on the 4th. The maximum temperature rose to 90° and above on 4 occasions, and the minimum was 70° and above on 27 occasions.

The mean daily miles of wind recorded was 242, or about 29% above the 25-year normal of 188. The greatest number of miles of wind recorded in 24 hours was 489, on the 11th, and the least was 115, on the 29th. Greatest velocity, of short duration, was 36 miles per hour, on the 10th, at about 2.00 p.m. South-east wind prevailed early on 3 occasions, continued after dusk on 19 occasions and continued throughout the night on 1 occasion.

The mean relative humidity was 72%, or 6% below the 33-year normal of 78%. Mean 7 a.m. was 72%, and mean 3 p.m. was 62%. Lowest 7 a.m. was 64%, on the 11th, and lowest 3 p.m. was 49%, on the 9th and 10th.

Overcast conditions prevailed in the forenoon on 9 occasions and in the afternoon on 17 occasions.

Total evaporation for the month was 9.76 inches, the 20-year normal being 7.40 inches.

Mean daily number of sunshine hours was 7.5.

PALISADOES

The meteorological results for the Observing Station on the Palisadoes for the year 1943 are appended.

(Sgd.) S. H. HARVEY,
Meteorological Officer.

Weather Office,
Kingston,
20th May, 1944.

PALMADOES, JAMAICA—METEOROLOGICAL RESULTS FOR THE YEAR 1943

Latitude 17° 56' N., Longitude 76° 47' W. Height above M.S.L. 19 feet. All times E.S.T.

Month	Air Temperature at Station Level (°F)					Sunshine				Cloud Amount	Rainfall			
	Means			Extremes		Monthly			Daily Mean Tenthhs of sky covered	Total ins.	Mean Daily Amount ins.	Mean Daily Duration hrs.	Max. in one day ins.	Days of Rain
	Daily	Max.	Min.	Range		A.M. Hours	P.M. Hours	Total Hours						
January	78.9	85.8	71.9	13.9	67	135.4	138.7	274.1	79	0.08	0.00	0.0	0.01	3
February	78.1	84.6	71.6	13.0	87	117.9	93.4	211.3	65	3.48	0.01	0.2	0.14	6
March	79.1	85.5	72.8	12.7	88	155.7	125.3	281.0	76	0.89	0.03	0.2	0.38	10
April	80.0	85.9	74.1	11.8	88	140.3	125.1	265.4	71	2.48	0.08	0.3	1.73	8
May	81.2	86.5	75.9	10.6	89	131.0	111.7	242.7	60	3.25	0.11	0.5	2.35	9
June	82.1	88.2	75.9	12.3	91	154.4	112.2	266.6	68	0.85	0.03	0.1	0.48	7
July	82.7	89.0	76.5	12.5	92	156.6	111.4	268.0	66	0.89	0.01	0.2	0.17	3
August	82.9	88.8	77.0	11.8	92	153.6	109.5	263.1	67	3.25	0.09	0.4	1.20	7
September	83.3	89.1	77.6	11.5	91	144.8	98.6	243.4	66	5.14	0.17	0.2	2.28	9
October	81.9	87.4	76.4	11.0	91	103.7	65.2	168.9	46	8.31	0.27	1.6	2.62	18
November	81.1	87.7	74.5	13.2	90	139.8	105.7	245.5	72	0.67	0.02	0.2	0.24	10
December	79.8	86.7	72.9	13.8	91	139.6	127.8	267.4	78	0.67	0.02	0.1	0.59	3
Mean	80.9	87.1	74.8	12.3	..	139.4	110.4	249.3	68	2.45	0.07	0.3	..	78
Total	..	..	..	..	..	1672.8	1324.6	2997.4	..	29.41	..	..	..	93
Extremes	..	..	..	..	92	156.6	138.7	281.0	..	8.31	..	..	2.62	18

Mean of observation at 0700, 1000, 1300, 1900 from January to July. Mean of observation at 0100, 0700, 1300, 1900, from August to December.

Day reckoned from midnight to midnight. A day of rain is one on which more than 0.01 inch of rain fell between midnight and midnight.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF
MAY, 1944

The barometric pressures at all the Stations, except the Hill Gardens and Hope Agricultural Station, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens and Hope Agricultural Station are reduced to the first two standards only. Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus, the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m. and entered as having fallen on the previous day.

The standard of time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

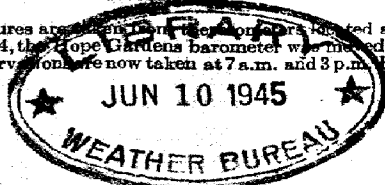
METEOROLOGICAL RESULTS

STATIONS	Elevation	Bar. Pressure		Temperature (F.)					Extreme Temperature (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range
		ft.	ins.	ins.	°	°	°	°	°	°		°	
Morant Point Light House ..	8	29.951	29.913	78.8	83.3	84.9	75.6	9.3	88.0	31	67.2	7	20.8
Kingston ..	24	29.950	29.907	77.3	84.3	88.6	73.5	15.1	90.8	2	68.1	4	22.7
Upper Kingston ..	110	29.943	29.901	78.5	85.2	89.1	73.1	16.0	92.2	31	68.4	3	23.8
Negril Point Light House ..	33	29.944	29.900	76.3	83.7	86.2	71.6	14.6	88.7	26	66.6	7	22.1
Montego Bay ..	33	..	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens ..	496	..	..	69.8	83.7	86.0	63.9	22.1	89.0	19	59.0	2	30.0
Hope Agricultural Station ..	668	29.209	29.157	74.4	81.3	86.9	69.4	17.5	92.2	26	65.5	2	26.7
Hill Gardens, Blue Mountains	4,900	25.235	24.203	58.9	64.5	69.9	56.4	13.5	74.4	17	52.5	3	21.9
Orange River Experimental Station ..	450	..	..	73.2	80.5	83.4	67.7	15.7	86.5	31	61.0	5	25.5

STATIONS	Elevation	Dewpoint and Rel. Humidity				Rainfall	Wind per diem	Wind: direction from and Speed (m.p.h.)				Amount of Cloud † Lower, Middle and Upper					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.		3 p.m.			
	ft.	°	%	°	%	Ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	75	87	76	78	6.77	252	NE	11.0	ENE	10.0	2.9	4.6	0.8	1.5	3.7	1.5
Kingston	24	68	74	71	64	0.25	172	N	3.8	SE	12.6	1.6	1.1	0.0	4.9	2.9	0.2
Upper Kingston	110	67	71	71	63	0.39	149	N	3.8	SE	9.9	1.4	1.5	1.4	3.6	3.2	1.4
Negril Point Light House	33	69	79	70	67	3.25	99	NE	2.5	N	6.8	1.7	0.7	2.0	1.3	3.9	1.1
Montego Bay	33					3.76											
Castleton Gardens	496	63	80	74	74	2.27											
Hope Agricultural Station	668	67	76	70	69	4.07											
Hill Gardens, Blue Mtns.	4,900	53	82	61	88	6.11											
Orange River Experimental Station	450	70	91	71	74	2.55											

Notes

- (1) Kingston—As from 1st January, 1943, Temperatures are taken from the barometer located at Winchester Park.
 (2) Hope Agricultural Station—On the 1st Jan., 1944, the Hope Gardens barometer was moved to a new site on Hope Agricultural Station, near to the thermometers and rain gauge. Observations are now taken at 7 a.m. and 3 p.m. Barometer pressure is at present not reduced to sea level.
 (3) Montego Bay—Observations lapse.
 * And on other days.
 † Amounts are expressed in Tenths of the sky.

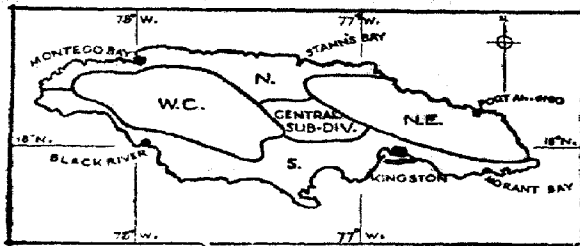


THE RAINFALL

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



May, 1944											
STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average						
		Amount	Date								
NORTH-EASTERN DIVISION (N.E.)						Ins.	Ins.			Ins.	
Manchioneal	6.86	3.38	22	11	12.33						
Ecclesdown											
Priestman's River					9.34						
Bath	5.22	2.14	22	11	12.00						
Barrett's Gap	11.48	7.30	22	11							
Millbank					16.29						
Bowden Pen	6.44	1.31	23	9							
Moore Town					16.54						
Port Antonio	5.70	1.55	22	7	13.24						
Passley Garden					9.70						
Fellowship	3.90	1.15	25	10	15.65						
Johnson River Br.	11.82	3.46	22	11	8.91						
Trinity Ville	8.14	2.78	7	10	5.64						
Fruitful Vale	7.21	1.25	24	13							
Shrewsbury	6.86	2.05	1	5	13.52						
Hope Bay	5.16	3.01	21	3	9.94						
Cedar Valley	5.49	1.72	25	13	8.60						
Swift River	9.47	5.09	12	6							
Lennox					10.26						
Bybrook	3.57	1.43	13	12							
Darley	5.34	2.40	12	10							
Spring Garden					6.85						
Hill Gardens					9.40						
Buff Bay	1.78	0.90	12	5	8.09						
Plum Valley	2.69	1.91	12	7							
Belvedere, Portland	2.33	1.10	12	5	7.36						
Windsor Castle, do.					6.55						
Balcarras	7.07	2.10	11	10	12.01						
Mt. Holstein	3.77	1.80	11	15	10.34						
Cedar Hurst	4.67	2.40	2	5	9.08						
						NORTHERN DIVISION (N)					
						0.51	0.13	23	7	6.33	
						1.41	0.57	23	6		
						1.52	0.30	6	7	8.48	
						1.31	0.60	29	8		
										6.75	
						2.63	0.90	24	3		
						0.94	0.33	29	3	5.69	
						3.74	1.78	12	13	6.34	
						1.61	0.57	12	5	4.97	
						2.50	0.70	7	6	5.65	
						0.61	0.50	12	2	5.94	
						0.94	0.60	12	3	3.17	
						4.83	2.45	12	6		
						2.16	1.04	12	8	8.86	
						4.29	1.13	10	7	7.14	
						1.75	1.35	12	4	6.54	
						2.49	0.64	12	11	8.76	
						1.83	0.98	12	8		
						5.68	1.60	12	11	7.47	
						3.63	1.22	11	5	6.08	
						3.51	1.34	12	10		
										5.11	
										5.90	
						1.27	0.48	23	6	4.50	
						1.30	0.51	27	4	4.82	
						1.07	0.41	23	6	7.30	
						1.83	0.38	29	7		

May, 1944						May, 1944					
STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Falmouth	3.37	1.15	23	5	4.40	Shooter's Hill	12.09	1.73	8	16	8.39
Maroon Town						Wait-a-bit	19.41	3.26	8	20	
Adelphi	3.04	0.94	12	8		Christiana	12.86	2.17	29	19	10.56
Windsor Lodge	1.74	0.67	12	10		Holmwood	13.44	3.28	29	16	
Latium	1.84	0.68	12	5		Edge Hill	17.29	3.17	8	13	
Barrett Hall						Kendal, Manchester	12.37	1.87	8	17	10.06
Success	1.14	0.65	25	6	4.48	Mereworth	18.72	4.43	23	18	10.74
Cornwall	1.55	0.70	24	6		Mandeville	14.21	2.56	29	14	9.97
Rose Hall	1.41	0.65	25	6	4.60	Ulster Spring	8.89	1.54	27	15	11.93
Cinnamon Hill	1.41	0.51	25	6	4.97	Greenvale	17.00	2.10	9	18	9.53
Tryall	1.00	0.90	24	6	6.07	Albert Town	9.83	2.64	27	8	11.09
Running Gut	2.02	1.15	24	6	4.96	Craig Head	14.48	4.36	28	10	
Spring Estate	0.85	0.60	24	6	4.28	Warsop	9.38	1.60	30	12	14.72
Friendship	2.31	0.76	24	8	8.04	Troy	7.80	1.27	28	14	15.03
Irwin	3.34	0.98	14	7	8.30	Wallingford	8.86	1.42	31	23	13.35
Retirement	1.68	0.75	24	9	8.71	Balaclava					12.59
Montego Bay	3.76	0.86	10	6	7.18	Braes River	15.34	2.50	29	18	
Anchovy	2.28	0.30	12	16	7.46	Wakefield	3.70	0.72	14	10	9.92
Hopewell	1.65	0.55	11	6		Appleton	4.15	0.93	9	11	13.35
Blue Hole	4.48	1.46	14	9	10.56	Aberdeen	9.01	2.02	31	15	
Cascade	9.35	2.05	23	10		Accompong	7.01	2.04	31	10	
Lucea	4.02	1.66	25	9	8.32	Maggotty	5.57	2.28	9	11	13.43
Haughton Court					8.97	Lacovia	5.42	1.40	29	11	11.26
Kendal—Hanover	3.43	1.02	13	7		Mulgrave	12.36	3.20	8	17	
Cousins Cove	4.35	1.35	12	10	9.12	Holland					
Blenheim	5.65	1.32	25	11		Ipswich	7.84	1.62	30	13	
Green River	3.93	1.61	10	7		Ginger Hill	8.55	1.83	30	13	
Green Island	4.14	1.15	11	10	8.80	Kempshot					10.37
Haughton Hall	2.06	0.64	11	9	7.67	Maldon					
CENTRAL SUB-DIVISION						Garlands					
Knollis	5.58	1.50	11	8	9.77	Mocho, St. James					18.60
Highgate (St. Cath.)	6.49	1.60	11	12	10.21	Catadupa	5.16	1.05	28	15	16.10
Rio Magno	0.79	0.36	12	4	8.39	Cambridge	5.46	1.66	15	11	13.60
Riversdale	1.41	0.63	25	4	8.78	New Market	10.57	1.64	28	15	13.50
Headworks, R.C.C.	8.27	1.66	8	12	7.16	Springfield	11.00	3.00	30	14	
Bog Walk	5.09	0.62	31	8	9.20	Seaford Town					
Linstead	2.77	0.62	29	10	9.37	Petersville	6.48	1.43	27	11	11.18
Ewarton	9.44	0.66	31	9		Kew Park	9.54	2.50	12	15	13.47
Greenock	7.65	1.60	30	11		The Bog	9.12	1.70	8	11	14.29
Cave Valley	6.29	1.17	7	11	9.36	Exeter					
Guanaboa Vale	4.61	1.20	12	10	6.59	Bethel Town Dist.					17.36
Point Hill	12.46	2.15	30	11	11.32	Copse					12.49
Brown's Hall	7.24	2.24	28	13	8.38	Burnt Ground	7.74	1.32	12	14	14.78
Bellas Gate					6.77	Haughton Grove	9.19	1.20	15	18	14.47
Rock River	8.72	2.60	7	11	8.51	Knockalva					
Crofts Hill	12.90	2.85	31	15	8.55	Darliston					16.77
Kellitts	11.95	3.51	10	17		Whithorn					13.74
Suttons	10.93	2.40	9	15	10.19	Water Works Pen	3.38	1.20	28	9	12.23
Colonel's Ridge	11.90	1.77	31	17		Williamsfield, Wld.					
Chapelton	9.11	1.58	9	18	8.77	Petersfield					
Crooked River	8.90	2.13	31	18	8.58	Baulk					
James Hill	10.07	1.64	30	14		Askenish	7.89	2.95	23	9	14.23
Frankfield	9.93	3.10	10	16	9.27	Grange Hill					13.16
Tulloch	6.26	2.12	28	12		Mount Eagle					
WEST-CENTRAL DIVISION (W.C.)						King's Vale	1.44	0.64	23	7	10.66
Mocho, Clarendon	12.04	2.44	12	16	9.07	SOUTHERN DIVISION, (S.)					
Thompson Town	11.84	1.33	25	16		Morant Point L. H.	6.77	4.15	22	12	8.22
Forus	15.82	2.40	20	16		Golden Grove					
Borobridge	9.04	3.04	29	10		Pleasant Hill	4.21	2.00	22	9	7.31
Spaldings	11.65	2.40	30	15	8.71	East Prospect	4.49	2.01	12	7	8.39
Williamsfield	16.48	2.54	28	16	9.76	Morant Bay	3.47	1.15	12	7	7.03
Brokenhurst					9.69	Lloyds	3.01	1.48	22	7	
						Yallahs	2.58	1.13	12	5	3.06

STATIONS	May, 1944					STATIONS	May, 1944				
	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average		Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Easington	2.58	1.12	22	8	5.73	Glen Muir	7.30	2.00	8	11	5.84
Mavis Bank	5.50	1.72	8	8	5.64	Cottage	8.69	2.95	23	10	4.49
Harbour Head	0.60	0.25	23	3	3.43	Pennants					
Dallas Castle					4.20	Belle Plain	10.35	1.80	23	11	7.40
Gordon Town	4.70	1.62	10	7	7.05	Milk River					5.70
Irish Town	5.26	1.14	29	9	7.33	Retrieve	6.67	1.90	23	9	4.83
Hope Agri. Station	4.07	1.68	10	10	6.10	Stone's Hope	7.14	1.61	25	9	8.55
Bamboo Pen	2.22	1.16	7	9		Newport, Man.	9.51	1.85	7	12	8.07
Plumb Point L.H.	0.71	0.31	23	3	4.37	Alligator Pond	3.94	0.76	20	8	4.92
King's House Gar.	1.12	0.34	19	7	5.61	Myersville	16.41	2.11	8	12	
Up-Park Camp	0.35	0.10	9	8		Goshen	19.20	8.00	29	11	
Cavaliers	0.54	0.19	23	9		Munro	2.72	0.60	14	8	
St. George's College	0.44	0.13	23	7		Windsor, St. Eliz.	11.57	1.80	8	21	6.14
Upper Kingston	0.39	0.14	23	8	3.05	Torrington	11.85	1.75	8	20	8.24
Parade Garden	0.26	0.16	23	5		Santa Cruz	10.46	2.10	5	14	6.45
Kingston P.W.O.	0.25	0.09	7	6	3.89	Hounslow	21.73	5.36	29	22	11.27
Shortwood College	2.61	0.87	20	13		Bull Savannah	7.21	1.80	8	11	
Constant Spring	5.16	1.85	29	14		Pedro Plains	4.13	0.78	8	10	3.56
Halfway Tree	0.29	0.10	24	5	4.44	Mountainside					4.67
Clifton Pen	1.12	0.36	23	8	4.00	Fort Charles	2.93	0.50	8	7	4.30
Twickenham Pen	0.90	0.50	23	6		Black River					6.62
Red Hills	4.48	1.07	7	10	7.76	Mt. Charles	6.16	1.20	28	14	
Quarantine Station	1.31	0.80	23	9	2.82	Mount Edgecombe	4.73	1.62	28	10	8.18
Hematine	2.25	0.90	31	5	5.33	Bluefields					
Spanish Town	2.48	1.10	31	7	5.60	Sav.-la-Mar					8.49
Hog Hole, St. Cath.	3.70	1.30	8	10	6.52	Little London					10.51
Grove Farm	2.75	1.15	23	7		Retreat	1.95	0.75	14	6	8.95
Old Harbour	1.73	1.17	23	4	5.70	Sheffield					
May Pen					6.36	Negril Point L.H.	3.25	0.99	10	8	6.22

NOTES

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL

DIVISIONAL AND ISLAND RAINFALL	May			
	Rainfall, inches		Days on which Rain fell	
	1944	Ave.	1944	Ave.
North-eastern ..	4.24	9.90	8	13
Northern ..	3.89	7.15	8	10
West-central ..	9.21	12.28	14	15
Southern ..	4.88	6.24	9	10
The Island means	5.55	8.89	10	12

SHOCKS OF EARTHQUAKE IN MAY, 1944

Date	Standard Time (Approx.)	Intensity	Notes, where, etc.
		None reported	

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND

The mean rainfall for the Island was 5.55 inches or 3.34 inches below the 70-year average of 8.89 inches.

The greatest fall for the month was 21.73 inches, at Santa Cruz, in the Southern Division, and the heaviest fall in 24 hours was 8.00 inches, at Goshen, in the Southern Division, on the 29th.

The mean number of raindays was 10, the average for the month being 12. The greatest number, 23, was recorded at Wallingford, in the West-Central Division.

The mean rainfall in each parish is given below. The 10-year average is also shewn for comparison:—

Parish	May 1944	10-year Average
	Inches	Inches
Kingston	0.41	1.90
St. Andrew	3.36	5.73
St. Thomas	5.77	5.30
Portland	5.18	9.96
St. Mary	1.63	7.74
St. Ann	3.78	6.90
Trelawny	5.94	7.45
St. James	2.35	8.79
Hanover	4.95	11.00
Westmoreland	5.49	10.77
St. Elizabeth	9.57	6.86
Manchester	12.80	5.91
Clarendon	10.09	5.67
St. Catherine	3.87	6.31

Manchester, with 12.80 inches, was highest; Clarendon, with 10.09 inches, was second, and St. Elizabeth, with 9.57 inches, was third. Kingston, with 0.41 inch, was the lowest.

CITY OF KINGSTON

The total rainfall for the month of May was 0.25 inch, or 3.64 inches below the 70-year normal of 3.89 inches. The upper boundary of Kingston gauged 0.39 inch, with 8 raindays.

Distant rain was observed to north on 7 occasions, to northeast on 2, to northwest on 2, and to east on 1 occasion.

Distant lightning was observed to the north, east and west on the 23rd.

A partial Solar Halo was observed on the 4th, and a complete Solar Halo was observed on the 20th, from about 10.20 a.m. to 12.00 noon.

Distant thunderstorm occurred to northwest on 3 days.

The mean barometric pressure was 29.933 inches, or 0.023 inch above the 33-year normal of 29.910 inches. Highest barometer reading was 29.999 inches, on the 15th, at 3.00 p.m., and the lowest was 29.873 inches, on the 31st at 7.00 a.m., corrected for diurnal variation.

Mean temperature for the month was 80.4°, or 0.7° above the 33-year normal of 79.7°. The highest maximum was 90.8°, on the 2nd, and the lowest minimum was 68.1°, on the 4th, giving an extreme monthly range of 22.7°. On the other hand, the lowest maximum was 85.1°, on the 4th, and the highest minimum was 76.8°, on the 27th. The greatest range, 21.9°, was recorded on the 2nd, and the least range, 12.8°, on the 28th. Maximum temperature rose to 90° and above on 5 occasions, and the minimum was 70° and above on 28 occasions.

The mean daily miles of wind recorded was 172, or about 18% below the 25-year normal of 209. The greatest number of miles of wind recorded in 24 hours was 287, on the 25th, the least was 123, on the 7th. Greatest velocity, of short duration, was 24 miles per hour, on the 20th, at about 2.45 p.m. Southeast wind prevailed early on 2 occasions and continued after dusk on 10 occasions.

The mean relative humidity was 73%, or 6% below the 33-year normal of 79%. Mean 7.00 a.m. was 74%; and mean 3.00 p.m. was 64%. Lowest 7.00 a.m. was 61%, on the 10th, and lowest 3.00 p.m. was 47%, on the 2nd.

Overcast conditions prevailed in the forenoon on 8 occasions, and in the afternoon on 23 occasions.

Total evaporation for the month was 8.92 inches, the 20-year normal being 7.46 inches.

Mean daily number of sunshine hours 7.5.

(Sgd.) S. H. HARVEY,
Meteorological Officer.

Weather Office, Kingston,
20th June, 1944.



JAMAICA WEATHER REPORT

FOR THE MONTH OF
JUNE, 1944

The barometric pressures at all the Stations, except the Hill Gardens, and Hope Agricultural Station are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens and Hope Agricultural Stations are reduced to the first two standards only. Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part *fracto-stratus*; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The Standard of time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

METEOROLOGICAL RESULTS

STATIONS	Elevation	Bar. Pressure			Temperature (F.)					Extreme Temperature (F.)				
		7 a.m.		3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range
		ft.	ins.	ins.	°	°	°	°	°	°		°		°
Morant Point Light House	8	29.923	29.896		80.6	83.7	85.7	77.4	8.3	88.2	24	71.0	25	17.2
Kingston	24	29.920	29.886		78.1	84.8	88.6	75.4	13.2	91.9	27	71.1	5	20.8
Upper Kingston	110	29.914	29.884		78.6	85.6	89.1	74.6	14.5	91.6	28	70.8	26	20.8
Negril Point Light House	33	29.907	29.881		78.0	83.9	89.0	73.5	15.5	89.0	27	71.0	3	18.0
Montego Bay	33													
Castleton Gardens	496				72.4	83.2	87.0	66.9	20.1	90.0	7	62.0	26	28.0
Hope Agricultural Station	668				75.9	83.5	87.3	71.0	16.3	90.5	9	68.0	26	22.5
Hill Gardens, Blue Mountains	4,900	25.232	25.177		61.7	67.1	71.6	59.1	12.5	75.2	23	54.5	30	20.7
Orange River Experimental Station	450				74.4	81.4	85.6	70.5	15.1	88.0	10	67.8	12	20.2

STATIONS	Elevation	Dewpoint and Rel. Humidity				Rainfall	Wind per diem	Wind direction and speed (m.p.h.)				Amount of Cloud † Lower, Middle and Upper					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
		ft.	°	%	°			%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House ..	8	77	87	78	82	11.54	306	E	12.0	E	11.0	2.8	4.3	1.4	2.8	4.2	1.3
Kingston ..	24	72	79	74	70	6.07	229	NE	5.0	SE	16.6	2.2	1.7	0.9	4.0	2.3	0.4
Upper Kingston ..	110	72	78	74	68	8.74	163	NE	4.3	SE	12.3	2.3	1.0	2.1	2.4	1.3	3.0
Negril Point Light House ..	33	72	82	75	73	5.89	113	NE	2.2	SE	8.9	2.8	0.0	2.2	7.8	0.0	0.5
Montego Bay ..	33	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens ..	496	69	89	73	72	15.81	..	..	..	..	..	..	..	..	..	..	..
Hope Agricultural Station ..	668	70	81	72	68	8.04	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns. ..	4,900	58	88	64	88	8.54	..	..	..	..	..	..	..	..	..	..	..
Orange River Experimental Station	450	74	95	72	86	12.68	..	..	..	..	..	..	..	..	..	..	..

NOTES

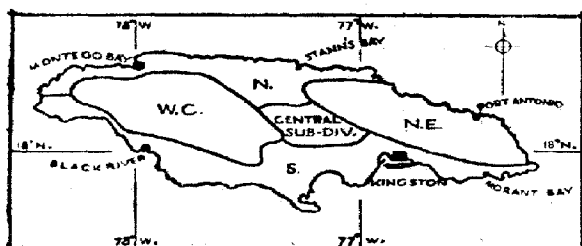
- (1) Kingston—As from 1st January, 1943, Temperatures are taken from thermometers located at Winchester Park.
 - (2) Hope Agricultural Station—On the 1st Jan., 1944, the Hope Gardens barometer was moved to a new site on Hope Agricultural Station, near to the thermometer and rain gauge. Observations are now taken at 7 a.m. and 3 p.m. Barometric pressure is at present not reduced to sea level.
 - (3) Montego Bay—Observations lapsed.
- * And on other days.
† Amounts are expressed in tenths of the area of the sky.

THE RAINFALL

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



June, 1944

STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	..				8.30
Ecclesdown	.. 25.93	7.46	3	24	9.20
Priestman's River	..				11.60
Bath	.. 19.41	5.35	3	21	
Barrett's Gap	.. 26.00	7.78	4	15	20.91
Millbank	..				18.70
Bowden Pen	..				14.38
Moore Town	..				13.34
Port Antonio	.. 20.77	5.67	4	20	16.86
Passley Garden	..				11.96
Fellowship	.. 25.22	5.45	4	23	12.50
Johnson River Br.	.. 21.28	7.10	4	15	11.08
Trinity Ville	.. 22.75	8.35	4	14	8.33
Fruitful Vale	.. 18.82	3.20	13	17	11.38
Shrewsbury	..				8
Hope Bay	.. 18.79	3.33	26	12	6.23
Cedar Valley	.. 24.71	11.65	4	17	
Swift River	.. 19.81	4.50	13	8	
Lennox	..				12
Bybrook	.. 14.14	3.60	13	12	
Darley	.. 15.71	2.38	26	17	
Spring Garden	.. 13.13	3.60	13	11	4.32
Hill Gardens	.. 8.54	4.56	4	19	6.69
Buff Bay	.. 14.66	4.35	13	9	6.26
Plum Valley	.. 16.30	4.48	13	12	
Belvedere, Portland	.. 14.17	3.90	13	11	2.81
Windsor Castle, do	..				4.75
Balcarres	.. 12.28	2.87	2	12	2.49
Mt. Holstein	.. 10.17	2.05	17	18	5.73
Cedar Hurst	.. 6.58	1.24	4	19	6.14

June, 1944

STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date		
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Hardware Gap	.. 5.43	1.90	4	10	7.17
Mt. Pleasant	..				
Rose Hill	.. 9.30	2.20	3	20	6.17
Mount Cressy	.. 11.07	2.80	2	18	
Hermitage	.. 8.90	2.44	2	16	6.74
Mount Airy	.. 16.37	5.05	25	13	
Stony Hill	.. 8.70	2.23	2	10	6.52
Golden Spring	..				
Brandon Hill	.. 9.50	2.00	25	12	
Enfield	.. 13.47	3.88	2	10	4.82
Agualta Vale	..				3.58
Castleton Gardens	.. 15.81	3.75	16	16	9.18
Water Valley	.. 8.25	2.03	25	11	4.04
Albany	..				3.22
Platfield	.. 9.49	3.12	10	15	
Lawrence Tavern	..				6.61
Wey Hill	.. 11.19	2.88	9	15	
Richmond, St. Mary	.. 13.28	2.90	18	17	5.03
Orange River Experimental Station	.. 12.68	2.50	15	17	
Quebec, St. Mary	.. 6.19	1.98	25	13	4.28
Above Rocks	.. 8.25	3.05	2	11	
Glengoffe	.. 10.83	3.17	12	12	
Carew Castle	..				8.27
Hampstead, St. Mary	.. 8.50	3.00	15	9	3.90
Windsor Castle, do.	.. 11.16	1.16	13	18	5.81
Troja	.. 15.06	2.75	25	15	8.41
Pear Tree Grove	.. 7.17	2.30	1	12	6.59
Guy's Hill	.. 8.56	1.41	17	15	5.81
Lucky Hill	.. 8.52	2.00	20	18	4.70
Rio Hoe	.. 5.76	1.25	4	12	7.21
Unity Valley	.. 11.80	3.05	4	19	7.68
Moneague	.. 8.59	1.65	14	9	7.19
Claremont	.. 7.72	1.87	3	9	5.07
Averham Park	.. 8.95	3.32	10	10	4.86
Albion	.. 11.31	1.88	10	15	6.06
NORTHERN DIVISION (N)					
Port Maria	.. 5.32	0.90	14	13	4.69
Wentworth	..				
Jacks River	.. 5.71	0.90	25	13	
Oracabessa	.. 5.63	1.33	16	10	5.30
Retreat	.. 9.02	2.30	16	17	
Huddersfield	..				5.56
Exchange	.. 7.41	3.10	15	6	
Ocho Rios	.. 5.63	1.35	16	8	3.45
Rockfield	.. 5.83	1.61	19	17	3.32
Liberty Hill	.. 3.85	1.61	21	8	3.31
St. Ann's Bay	.. 3.88	0.88	11	14	3.72
Richmond Estate	.. 3.32	0.90	14	7	3.94
Runaway Bay	.. 2.27	1.00	19	8	2.05
Thatchfield	.. 3.38	0.85	10	9	
Knapdale	.. 3.59	1.00	10	12	4.94
Alexandria	.. 4.75	1.40	3	13	4.09
Bel-Air	.. 2.25	0.65	14	10	4.04
Brown's Town	.. 4.31	0.81	14	17	3.91
Wilton	.. 2.04	0.65	14	15	
Watt Town, St. Ann	.. 4.80	1.05	3	14	4.01
Home Castle	.. 5.07	2.50	18	8	3.84
Stewart Town	.. 5.06	0.98	21	19	
Arcadia	..				3.90
Vale Royal	..				4.09
Harmony Hall	.. 1.62	0.68	14	5	2.86
Duncans	.. 1.33	0.43	14	8	3.96
Clark's Town	.. 4.06	0.80	21	14	5.02
Gibraltar	.. 3.22	1.03	21	11	

STATIONS	June, 1944					STATIONS	June, 1944				
	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average		Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Falmouth	3.11	0.73	16	9	2.68	Shooter's Hill	8.19	2.05	3	14	6.16
Maroon Town	..	..	..	..	..	Wait-a-bit	9.56	2.30	2	18	..
Adelphi	9.54	1.90	16	16	..	Christiana	5.78	1.89	22	14	6.23
Windsor Lodge	8.15	1.01	25	23	..	Holmwood	7.21	1.55	2	14	..
Latium	11.25	1.45	6	24	..	Edge Hill	5.89	1.66	3	9	..
Barrett Hall	..	..	..	..	..	Kendal, Manchester	..	..	..	..	7.49
Success	2.26	0.85	11	13	2.52	Mereworth	10.42	1.76	5	19	12.64
Cornwall	3.54	1.10	16	13	..	Mandeville	6.17	1.50	23	10	8.45
Rose Hall	3.42	1.10	11	13	2.96	Ulster Spring	4.03	1.50	26	7	6.57
Cinnamon Hill	4.03	1.15	16	13	3.00	Greenvale	6.58	1.20	18	17	6.54
Tryall	4.90	1.35	16	13	4.84	Albert Town	4.29	1.58	11	4	5.57
Running Gut	4.04	1.21	16	13	3.02	Craig Head	10.07	3.26	2	5	..
Spring Estate	3.72	1.00	16	13	2.63	Warsop	6.73	2.00	24	7	6.35
Friendship	8.48	1.05	21	23	7.46	Troy	7.88	2.31	12	7	8.13
Irwin	9.12	1.40	16	18	5.88	Wallingford	4.06	2.35	2	18	5.50
Retirement	8.56	0.83	21	25	7.66	Balaclava	..	..	..	..	4.89
Montego Bay	9.35	1.39	26	21	6.22	Braes River	5.26	2.00	25	7	..
Anchovy	7.41	1.32	11	22	6.58	Wakefield	12.50	2.53	16	20	6.83
Hopewell	5.45	0.53	14	19	..	Appleton	3.94	1.81	2	12	6.90
Blue Hole	10.72	2.62	25	24	10.74	Aberdeen	4.94	1.83	23	17	..
Cascade	20.33	3.93	28	25	..	Accompong	7.67	3.09	12	11	..
Lucea	12.76	2.15	19	22	7.90	Maggotty	6.26	2.52	2	13	6.91
Haughton Court	..	..	..	..	8.25	Lacovia	2.41	1.10	24	4	6.74
Kendal—Hanover	13.95	3.38	2	19	..	Mulgrave	9.33	2.10	24	13	..
Cousin's Cove	14.17	2.92	16	27	10.77	Holland	..	..	..	..	..
Blenheim	16.08	2.93	16	23	..	Ipswich	6.36	1.66	24	14	..
Green River	17.28	2.15	12	22	..	Ginger Hill	6.82	1.16	24	13	..
Green Island	11.45	1.38	11	25	11.23	Kempshot	7.50	2.00	23	5	8.65
Haughton Hall	11.75	1.35	12	25	9.72	Maldon	..	..	..	..	..
CENTRAL SUB-DIVISION						Garlands					
Knollis	9.38	2.10	4	11	8.69	Mocho, St. James	..	..	..	..	12.55
Highgate (St. Cath.)	5.93	1.89	4	14	8.01	Catadupa	14.87	3.24	9	23	10.41
Rio Magno	8.60	1.92	2	13	6.59	Cambridge	12.82	3.10	25	19	10.70
Riversdale	10.63	1.90	1	11	10.25	New Market	5.15	1.80	25	13	8.61
Headworks, R.C.C.	4.86	3.31	4	7	4.61	Springfield	7.80	1.25	25	10	..
Bog Walk	6.95	1.70	4	9	7.37	Seaford Town	11.90	2.40	24	14	..
Linstead	8.65	2.31	4	13	7.36	Petersville	3.24	1.39	18	11	7.62
Ewarton	13.45	3.20	4	10	..	Kew Park	11.17	2.98	25	20	9.36
Greenock	7.67	1.20	4	17	..	The Bog	6.73	2.30	12	11	8.62
Cave Valley	7.06	1.10	2	17	7.15	Exeter	7.83	1.80	25	20	..
Guanaboa Vale	..	..	..	..	6.12	Bethel Town Dist.	8.95	2.15	25	16	11.76
Point Hill	9.02	2.20	4	10	8.46	Copse	..	..	..	..	9.06
Brown's Hall	7.32	2.52	3	11	9.18	Burnt Ground	11.18	2.24	12	22	10.42
Bellas Gate	10.04	2.31	5	13	4.59	Haughton Grove	14.62	2.81	25	19	9.28
Rock River	6.02	2.41	4	8	6.14	Knockalva	..	..	..	..	..
Croft's Hill	10.36	3.70	4	16	5.03	Darliston	8.25	1.60	25	18	10.82
Kellitts	5.74	1.72	4	18	..	Whithorn	..	..	..	..	10.63
Suttons	6.51	2.12	4	11	6.58	Water Works Pen	11.04	1.54	18	19	9.23
Colonel's Ridge	..	..	..	..	..	Williamsfield, WLD.	..	..	..	..	..
Chapelton	5.69	1.28	4	14	6.22	Petersfield	..	..	..	..	..
Crooked River	4.81	1.49	18	13	7.27	Baulk	14.11	2.37	17	22	..
Tulloch	8.21	2.21	2	13	..	Askenish	15.79	3.03	25	14	15.49
James Hill	4.72	1.70	2	9	..	Grange Hill	15.23	2.93	17	20	11.25
Frankfield	7.30	1.20	2	15	6.78	Mount Eagle	..	..	..	..	..
WEST-CENTRAL DIVISION (W.C.)						King's Vale					
Mocho, Clarendon	8.02	4.15	3	12	6.89	SOUTHERN DIVISION, (S).					
Thompson Town	10.58	2.90	3	13	..	Morant Point L. H.	11.54	7.90	4	17	5.70
Porus	..	..	..	..	..	Golden Grove	..	..	..	..	..
Borobridge	4.24	0.80	12	3	..	Pleasant Hill	11.13	2.40	4	16	6.99
Spaldings	8.23	2.00	2	11	6.08	East Prospect	18.57	8.89	4	19	7.37
Williamsfield	..	..	..	..	10.39	Morant Bay	17.31	5.66	4	17	7.99
Brokenhurst	..	..	..	..	10.30	Lloyds	19.07	7.50	4	13	..
						Yallahs	20.62	9.94	4	12	8.21

June, 1944						June, 1944					
STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Easington ..	18.95	3.22	13	16	7.57	Glen Muir ..	6.00	1.80	4	7	4.74
Mavis Bank ..	9.79	4.50	4	7	6.55	Cottage ..	8.63	3.25	4	11	6.23
Harbour Head ..	14.08	11.40	4	8	3.86	Pennants ..	6.23	2.15	3	8	..
Dallas Castle ..	14.79	10.95	4	14	6.67	Belle Plain ..	7.72	2.00	5	7	7.50
Gordon Town ..	9.50	4.83	4	8	4.80	Milk River ..	..	..	..	..	5.43
Irish Town ..	4.88	1.30	4	9	4.48	Retrieve ..	..	..	..	..	4.12
Hope Agricultural Stn. ..	8.04	4.85	4	13	4.71	Stone's Hope ..	9.41	1.91	3	12	7.71
Bamboo Pen ..	7.73	5.47	4	9	..	Newport, Man. ..	..	..	..	..	7.50
Plumb Point L.H. ..	13.22	12.50	5	7	4.04	Alligator Pond ..	3.10	1.00	5	7	4.02
King's House Gar. ..	8.70	3.65	4	12	3.85	Myersville ..	4.45	2.11	10	12	..
Up-Park Camp ..	6.33	3.67	4	9	..	Goshen ..	0.00	0.00	..	..	..
Cavaliers ..	8.06	6.50	4	10	..	Bull Savannah ..	2.95	1.39	5	5	..
St. George's College ..	9.28	7.25	4	10	..	Munro ..	4.23	1.24	5	16	6.11
Upper Kingston ..	8.74	7.08	4	10	2.78	Windsor, St. Eliz. ..	2.59	0.47	2	14	5.84
Parade Garden ..	7.64	5.00	4	8	..	Torrington ..	2.85	2.55	5	2	3.62
Kingston P.W.O. ..	6.07	4.64	4	8	3.57	Santa Cruz ..	..	..	..	..	5.25
Shortwood College ..	5.96	2.87	4	10	..	Hounslow ..	1.40	1.05	5	2	..
Constant Spring ..	7.69	2.44	4	13	..	Pedro Plains ..	3.11	1.88	5	5	2.59
Halfway Tree ..	7.02	5.16	4	7	3.46	Mountainside ..	..	..	..	..	3.10
Clifton Pen ..	2.72	7.46	4	11	3.75	Fort Charles ..	..	..	..	..	2.85
Twickenham Pen ..	6.05	4.06	4	10	..	Black River ..	..	..	..	..	3.73
Red Hills ..	3.96	2.30	4	9	5.55	Mt. Charles ..	3.71	1.00	18	12	..
Quarantine Station ..	5.78	4.10	4	9	2.88	Mount Edgecombe ..	4.21	2.28	18	14	6.37
Hematine ..	4.33	3.45	4	5	2.97	Bluefields ..	4.71	1.10	18	12	..
Spanish Town ..	4.34	2.95	4	6	5.68	Sav.-la-Mar ..	6.85	1.48	13	11	6.53
Hog Hole, St. Cath. ..	4.52	3.22	4	8	4.46	Little London ..	14.94	3.10	13	17	9.08
Grove Farm ..	8.72	4.50	4	6	..	Retreat ..	6.40	1.90	13	14	7.38
Old Harbour ..	7.74	5.01	4	7	5.37	Sheffield ..	..	..	..	..	..
Mav Pen ..	4.70	1.52	4	9	5.28	Negril Point L.H. ..	5.89	1.15	13	17	5.60

NOTES

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL

DIVISIONAL AND ISLAND RAINFALL	June			
	Rainfall, inches		Days on which Rain fell	
	1944	Ave.	1944	Ave.
North-eastern ..	12.42	7.88	14	11
Northern ..	6.39	5.45	14	9
West-Central ..	8.26	8.92	14	13
Southern ..	8.38	5.38	11	8
The Island means	8.86	6.91	13	10

SHOCKS OF EARTHQUAKE IN JUNE, 1944

Date	Standard Time (Approx.)	Intensity	Notes, where, etc.
12.6.44	11.43 p.m.	I	Negril Point Pennants
27.6.44	3.30 a.m.	I	

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND

The mean of 8.86 inches representing the Island rainfall for June was 1.95 inch above the 70-year normal of 6.91 inches. The Divisional Means with the exception of the West-Central Division, were also above their normals.

The greatest fall for the month was 26.00 inches, at Barrett's Gap, in the Northeastern Division, and the heaviest fall in 24 hours was 11.65 inches, at Cedar Valley, in the Northeastern Division, on the 4th. No rainfall was recorded at Goshen, in the Southern Division.

The mean number of rain days was 13, the average for the month being 10. The greatest number, 27, was recorded at Cousin's Cove, in the Northern Division.

The mean rainfall in each parish is given below. The 10-year average is also shown for comparison:—

Parish	June 1944	10-year Average
	inches	inches
Kingston	8.99	0.42
St. Andrew	8.45	4.21
St. Thomas	19.28	8.64
Portland	15.11	8.19
St. Mary	8.68	4.86
St. Ann	5.69	4.67
Trelawny	5.28	5.41
St. James	7.34	6.85
Hanover	12.82	10.83
Westmoreland	8.84	8.58
St. Elizabeth	4.58	4.46
Manchester	7.28	6.62
Clarendon	7.32	5.31
St. Catherine	8.18	5.71

St. Thomas, with 19.28 inches, was highest; Portland, with 15.11 inches, was second; and Hanover with 12.82 inches, was third. St. Elizabeth, with 4.58 inches, was lowest.

The total mean rainfall for the first half of the year is given below, compared with the 70-year average, and shews a deficit of 6.14 inches:—

	1944 Means	70-year Average
	Inches	Inches
January	2.84	4.00
February	0.36	3.21
March	1.23	3.33
April	6.47	5.11
May	5.55	8.89
June	8.86	6.91
Totals	25.31	31.45

CITY OF KINGSTON

The total rainfall for the month of June was 6.07 inches, or 2.50 inches above the 70-year normal of 3.57 inches. The upper boundary of Kingston gauged 8.74 inches, with 10 rain days.

Distant rain was observed to the north and northwest on 1 occasion each.

Distant thunderstorm occurred to north on 5 occasions, to northeast on 3, and to west and south on 1 occasion each.

Distant lightning was observed to south on 3 occasions, to northeast and southeast on 2 each, and to north, east and southwest on 1 occasion each.

Solar Halos were observed on the 8th, at about 11.00 a.m., and on the 19th at about 10.30 a.m.

The mean barometric pressure was 29.912 inches, or 0.20 inch below the 33-year normal of 29.932 inches. Highest barometer reading was 29.994 inches, on the 18th, at 3.00 p.m., and the lowest was 29.832 inches, on the 3rd, at 3.00 p.m., corrected for diurnal variation.

Mean temperature for the month was 81.2°, or 3° above the 33-year normal of 80.9°. The highest maximum was 91.9°, on the 27th, and the lowest minimum was 71.1°, on the 5th. On the other hand, the lowest maximum was 79.8°, on the 4th, and the highest minimum was 80.0°, on the 6th. The greatest range, 17.1°, occurred on the 26th, and the least, 5.1°, occurred on the 4th. The maximum temperature rose to 90° and above on 7 occasions, and the minimum was 70° and above throughout the month.

The mean daily miles of wind recorded was 229, or about 5% below the normal of 239. The greatest number of miles of wind recorded in 24 hours was 404 on the 6th, and the least was 110 on the 1st. Greatest velocity, of short duration, was 36 miles per hour, on the 12th, at about 1.15 p.m. Southeast wind prevailed early 4 times, continued after dusk 19, and throughout on 2 occasions.

The mean relative humidity was 78%, which is the normal for the month. Mean 7 a.m. was 79%, and mean 3 p.m. 70%. Lowest 7 a.m. was 69%, on the 9th, and lowest 3 p.m. was 52%, on the 11th.

Overcast conditions prevailed in the forenoon on 8 occasions, and in the afternoon on 14.

Total evaporation for the month was 7.12 inches, the 20-year normal being 6.89 inches.

Mean daily sunshine hours 6.9.

(Sgd.) S. H. HARVEY,
Meteorological Officer.

Weather Office, Kingston,
20th July, 1944.



JAMAICA WEATHER REPORT

FOR THE MONTH OF
JULY, 1944

The barometric pressures at all the Stations, except the Hill Gardens and Hope Agricultural Station, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens and Hope Agricultural Station are reduced to the first two standards only. Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m. and entered as having fallen on the previous day.

The standard of time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

METEOROLOGICAL RESULTS

STATIONS	Elevation	Bar. Pressure		Temperature (F.)					Extreme Temperature (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range
		ft.	ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House ..	8	29.967	29.935	81.7	85.7	87.7	78.9	8.8	91.0	13	73.0	9	18.0
Kingston† ..	24	29.961	29.919	79.1	85.9	90.4	75.6	14.8	95.8	20	72.8	10	23.0
Upper Kingston ..	110	29.954	29.916	79.4	86.7	90.7	75.0	15.7	94.3	20	72.2	10	22.1
Negril Point Light House ..	33	29.955	29.923	77.7	85.5	88.2	74.0	14.2	90.5	5	72.0	16	18.5
Montego Bay ..	33	..	..	..	..	..	..	..	..	..	..	..	..
Castleton Garden ..	496	..	..	71.5	82.8	89.3	69.3	20.0	92.0	2	65.5	3	26.5
Hope Agricultural Station ..	668	..	..	76.3	85.3	90.6	71.4	19.2	95.7	24	69.0	10	26.7
Hill Gardens, Blue Mountains ..	4,900	25.258	25.219	62.0	68.1	73.7	60.3	13.4	80.4	26	55.3	27	25.1
Orange River Experimental Station ..	450	..	..	75.8	84.4	87.6	70.6	17.0	90.0	13	67.2	10	22.8

STATIONS	Elevation	Dewpoint and Rel. Humidity				Rainfall	Wind per diem	Wind: direction from and Speed (m.p.h.)				Amount of Cloud † Lower, Middle and Upper					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
		ft.	°	%	°			%	Ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	78	88	78	79	5.32	296	E	14.0	E	12.0	5.3	1.0	2.0	4.4	0.8	1.6
Kingston†	24	71	78	75	68	4.57	217	NNE	5.0	SE	19.2	2.8	0.1	1.0	2.4	0.9	2.0
Upper Kingston	110	70	75	73	66	4.88	159	N	3.7	SE	13.2	2.3	0.1	1.9	2.3	1.1	2.0
Negril Point Light House	33	73	83	75	70	6.79	100	NE	2.7	SE	5.4	0.5	0.0	4.5	5.3	0.3	1.7
Montego Bay	33	..	..	..	..	3.33	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens	496	68	90	74	76	11.74	..	..	..	..	..	..	..	..	..	..	..
Hope Agricultural Station	668	68	76	72	66	3.46	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	56	80	62	82	7.92	..	..	..	..	..	..	..	..	..	..	..
Orange River Ex- perimental Station	450	72	90	74	73	3.58	..	..	..	..	..	..	..	..	..	..	..

NOTES

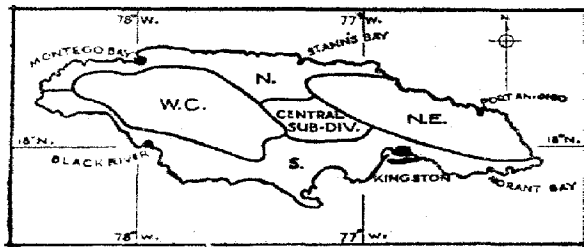
- (1) Kingston—As from 1st January, 1943, Temperatures are taken from thermometers located at Winchester Park.
 - (2) Hope Agricultural Station—On the 1st Jan., 1944, the Hope Gardens barometer was moved to a new site on Hope Agricultural Station, near to the thermometers and rain gauge. Observations are now taken at 7 a.m. and 3 p.m. Barometer pressure is at present not reduced to sea level.
 - (3) Montego Bay—Observations lapsed.
- † And on other days.
† Tenths of the sky.
‡ Temperature—The figures for Kingston have been calculated on a limited number of observations, viz., 18 readings for 7.00 a.m. Dry and Wet Bulbs; 22 readings for 3.00 p.m. Dry and Wet Bulbs; and 25 readings for maximum and minimum.

THE RAINFALL

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negri; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



July, 1944					
STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date		
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	12.27				5.84
Ecclesdown	14.54				
Priestman's River					7.27
Bath	15.44	5.80	27	11	8.36
Barrett's Gap	15.17	6.35	27	11	
Millbank	14.11				21.31
Bowden Pen	17.60				
Moore Town	9.19				17.38
Port Antonio	16.57				10.61
Passley Garden					12.14
Fellowship	13.84				14.17
Johnson River Br.	10.94	3.70	27	11	7.27
Trinity Ville	13.75	4.25	31	8	8.57
Fruitful Vale	7.85				
Shrewsbury					8.89
Hope Bay	8.44				11.88
Cedar Valley	15.01	5.83	31	13	4.90
Swift River	2.90				
Lennox	5.55				10.14
Bybrook	2.41				
Darley	6.49				
Spring Garden					5.50
Hill Gardens	7.92	4.70	31	13	3.54
Buff Bay	4.24				6.36
Plum Valley	2.29				
Belvedere, Portland	2.69				3.88
Windsor Castle, do.	3.27				4.85
Balcarres	4.79				4.14
Mt. Holstein	4.72				4.90
Cedar Hurst	6.90				5.20
NORTHERN DIVISION (N)					
Above Rocks	7.75	1.77	31	16	
Glengoffe	10.22	1.58	18	12	
Carew Castle	7.41	1.84	31	15	6.45
Hampstead, St. Mary	1.82	0.80	28	6	2.88
Windsor Castle, do.	9.27	1.96	14	12	3.89
Troja	7.31	2.35	14	11	5.69
Pear Tree Grove	5.79	1.79	14	7	4.22
Guy's Hill	6.47	1.67	14	10	4.56
Lucky Hill	4.32	1.06	16	8	3.29
Rio Hoe	2.40	0.62	13	9	4.15
Unity Valley	5.54	1.18	21	15	5.58
Moneague	5.64	2.20	21	6	4.58
Claremont	2.19	0.70	31	7	3.29
Averham Park	2.84	0.86	30	9	3.05
Albion	5.39	1.20	21	8	4.10
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	12.27				5.84
Ecclesdown	14.54				
Priestman's River					7.27
Bath	15.44	5.80	27	11	8.36
Barrett's Gap	15.17	6.35	27	11	
Millbank	14.11				21.31
Bowden Pen	17.60				
Moore Town	9.19				17.38
Port Antonio	16.57				10.61
Passley Garden					12.14
Fellowship	13.84				14.17
Johnson River Br.	10.94	3.70	27	11	7.27
Trinity Ville	13.75	4.25	31	8	8.57
Fruitful Vale	7.85				
Shrewsbury					8.89
Hope Bay	8.44				11.88
Cedar Valley	15.01	5.83	31	13	4.90
Swift River	2.90				
Lennox	5.55				10.14
Bybrook	2.41				
Darley	6.49				
Spring Garden					5.50
Hill Gardens	7.92	4.70	31	13	3.54
Buff Bay	4.24				6.36
Plum Valley	2.29				
Belvedere, Portland	2.69				3.88
Windsor Castle, do.	3.27				4.85
Balcarres	4.79				4.14
Mt. Holstein	4.72				4.90
Cedar Hurst	6.90				5.20
NORTHERN DIVISION (N)					
Above Rocks	7.75	1.77	31	16	
Glengoffe	10.22	1.58	18	12	
Carew Castle	7.41	1.84	31	15	6.45
Hampstead, St. Mary	1.82	0.80	28	6	2.88
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Rio Hoe	2.40	0.62	13	9	4.15
Unity Valley	5.54	1.18	21	15	5.58
Moneague	5.64	2.20	21	6	4.58
Claremont	2.19	0.70	31	7	3.29
Averham Park	2.84	0.86	30	9	3.05
Albion	5.39	1.20	21	8	4.10

STATIONS	July, 1944					STATIONS	July, 1944				
	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average		Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Falmouth	3.70	1.37	31	6	1.53	Shooter's Hill	11.92	6.18	31	10	5.34
Maroon Town						Wait-a-bit	9.34	3.34	31	11	
Adelphi	5.12	1.38	30	8		Christiana	7.43	3.27	31	12	4.35
Windsor Lodge	5.45	1.60	30	10		Holmwood	7.80	3.55	31	8	
Latium						Edge Hill	18.72	8.87	31	5	
Barrett Hall						Kendal, Manchester	13.05	6.00	31	9	5.41
Success	0.33	0.18	27	2	1.34	Mereworth	20.28	6.55	31	12	9.77
Cornwall	0.51	0.31	25	2		Mandeville	11.50	5.54	26	6	5.73
Rose Hall	1.10	0.65	27	3	1.26	Ulster Spring	6.76	1.59	25	11	5.41
Cinnamon Hill	0.58	0.37	27	2	1.30	Greenvale	9.85	2.60	31	10	4.75
Tryall	0.85	0.45	27	3	3.16	Albert Town	7.25	1.40	25	10	5.06
Running Gut	0.65	0.40	27	3	1.32	Craig Head	7.21	1.72	15	7	
Spring Estate	0.65	0.35	27	4	1.44	Warsop	8.81	1.58	17	8	7.15
Friendship	3.81	1.25	27	10	4.14	Troy	9.17	3.30	16	7	6.90
Irwin					3.77	Wallingford	8.50	2.36	27	15	5.50
Retirement	5.18	1.67	27	11	4.74	Balaclava					4.87
Montego Bay	3.33	1.13	30	8	3.34	Braes River	8.34	3.00	27	6	
Anchovy	8.08	2.74	14	16	4.80	Wakefield	5.26	2.40	18	10	5.47
Hopewell	3.45	1.42	27	7		Appleton	9.71	1.91	31	11	7.19
Blue Hole	5.22	1.40	27	12	6.02	Aberdeen	15.85	3.14	9	14	
Cascade	13.68	1.70	21	15		Accompong	17.78	2.87	26	13	
Lucea	6.45	1.47	21	13	5.18	Maggotty	13.58	2.13	9	13	8.15
Haughton Court	7.95	2.10	21	10	4.99	Lacovia					5.02
Kendal—Hanover	9.75	3.05	26	10		Mulgrave	19.77	3.30	9	15	
Cousins Cove	7.17	2.11	21	28	9.27	Holland					
Blenheim	9.66	2.49	21	14		Ipswich	4.60	1.94	27	17	
Green River	14.50	2.40	18	12		Ginger Hill	20.15	3.60	27	17	
Green Island	10.03	2.08	21	16	9.01	Kempshot	4.50	2.50	25	2	5.83
Haughton Hall	7.83	1.33	27	18	8.37	Maldon					
CENTRAL SUB-DIVISION						Garlands					
Knollis	5.61	1.75	31	11	6.56	Mocha, St. James					11.05
Highgate (St. Cath.)	7.54	1.81	31	14	8.39	Catadupa	11.96	1.70	26	21	9.28
Rio Magno	10.70	3.70	14	10	6.44	Cambridge	10.62	1.90	16	15	9.29
Riversdale	10.51	2.35	27	11	9.58	New Market	14.49	2.85	9	12	8.48
Headworks, R.C.C.	2.32	1.06	31	5	3.29	Springfield	14.84	5.20	27	13	
Bog Walk	4.18	1.40	21	6	6.18	Seaford Town	18.55	3.50	27	18	
Linstead	5.72	0.98	18	12	5.95	Petersville	8.28	2.15	27	11	7.71
Ewarton	3.64	1.06	16	10		Kew Park	15.40	3.35	27	19	10.06
Greenock						The Bog	16.43	4.28	27	13	8.94
Cave Valley	8.16	3.65	31	12	4.61	Exeter	23.47	3.75	27	18	
Guanaboa Vale	4.97	2.37	31	5	4.98	Bethel Town Dist.	14.50	3.16	27	14	12.91
Point Hill	7.54	3.40	31	7	6.68	Copse					7.54
Brown's Hall	4.42	1.10	31	10	5.20	Burnt Ground					9.34
Bellas Gate					3.04	Haughton Grove	13.36	2.94	27	19	8.58
Rock River	7.41	4.40	31	5	4.80	Knockalva					
Crofts Hill	9.22	4.50	31	9	3.60	Darliston	22.65	3.45	27	17	11.60
Kellitts	6.39	2.00	31	12		Whithorn					10.62
Suttons	10.14	4.57	31	8	6.40	Water Works Pen	14.40	3.10	27	18	9.74
Colonel's Ridge	13.36	5.05	31	10		Williamsfield, Wld.	12.71	7.00	31	8	
Chapelton	10.76	5.48	31	10	3.51	Petersfield					
Crooked River	15.77	6.00	31	9	5.94	Baulk	13.77	3.00	27	15	
James Hill	12.38	5.46	31	8		Askenish	13.27	2.40	21	10	10.21
Frankfield	12.20	4.76	31	10	6.61	Grange Hill	13.90	4.23	27	16	11.33
Tulloch	6.29	1.00	31	12		Mount Eagle					
WEST-CENTRAL DIVISION (W.C.)						King's Vale	3.40	0.45	27	12	9.33
Mocha, Clarendon	9.70	4.67	31	7	4.45	SOUTHERN DIVISION, (S.)					
Thompson Town	9.48	5.36	31	7		Morant Point L. H.	5.32	2.00	27	10	3.26
Porus	16.23	7.33	31	6		Golden Grove					
Borobridge	10.67	3.49	31	5		Pleasant Hill	7.72	1.80	27	8	4.63
Spaldings	7.52	2.30	31	7	5.10	East Prospect	9.32	5.64	27	12	4.96
Williamsfield					7.56	Morant Bay	7.66	3.75	27	7	5.25
Brokenhurst					5.24	Lloyds	8.60	3.28	27	7	
						Yallahs	10.27	3.90	26	5	5.60

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STATIONS	July, 1944					STATIONS	July, 1944				
	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average		Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
SOUTHERN	Ins.	Ins.			Ins.	SOUTHERN	Ins.	Ins.			Ins.
DIVISION, contd.						DIVISION, contd.					
Easington	8.66	2.46	31	9	5.20	Glen Muir	9.75	5.85	31	5	3.85
Mavis Bank	8.23	3.72	31	5	4.16	Cottage	9.34	3.26	31	9	4.17
Harbour Head	4.28	1.84	31	5	1.80	Pennants	8.67	4.50	31	7	...
Dallas Castle	5.61	1.68	27	9	4.69	Belle Plain	15.07	6.59	31	7	6.20
Gordon Town	7.83	2.70	31	6	2.68	Milk River	15.36	6.20	31	6	2.57
Irish Town	5.38	2.00	31	7	2.14	Retrieve	18.82	6.02	30	5	2.50
Hope Agri. Station	3.46	1.12	27	8	2.67	Stone's Hope	15.82	6.32	31	6	3.98
Bamboo Pen						Newport, Man.	16.18	6.50	31	7	3.98
Plumb Point L.H.	3.38	1.38	31	4	1.88	Alligator Pond	7.62	3.85	31	4	2.30
King's House Gar.	3.47	1.10	31	8	2.49	Myersville	9.45	4.00	29	13	...
Up-Park Camp	4.52	2.27	31	10	...	Goshen	9.72	4.00	29	4	...
Cavaliers	5.53	3.40	31	8	...	Munro	8.85	3.50	31	5	...
St. George's College	5.15	2.68	31	7	...	Windsor, St. Eliz.	14.74	10.87	27	10	2.76
Upper Kingston	4.88	2.73	31	7	2.26	Torrington	12.63	6.43	27	12	3.55
Parade Garden	4.67	2.31	31	4	...	Santa Cruz	12.21	8.65	27	4	2.45
Kingston P.W.O.	4.57	2.05	31	5	1.67	Hounslow	12.60	3.00	27	8	5.24
Shortwood College	6.63	1.24	30	6	...	Bull Savannah	8.89	5.30	27	6	...
Constant Spring	6.76	1.55	9	11	...	Pedro Plains	9.20	6.80	27	4	1.68
Halfway Tree	3.19	0.92	27	3	1.87	Mountainside					2.87
Clifton Pen	5.51	3.43	31	5	1.75	Fort Charles					1.96
Twickenham Pen	3.63	2.55	31	5	...	Black River					4.49
Red Hills	3.17	1.70	31	6	5.50	Mt. Charles	9.00	4.64	27	13	...
Quarantine Station	3.55	2.00	31	4	1.53	Mount Edgcombe	11.05	5.70	27	17	6.88
Hematine	4.28	3.33	31	3	1.97	Bluefields	14.35	4.31	27	12	...
Spanish Town	4.17	2.98	31	4	2.17	Sav.-la-Mar	13.46	5.00	27	11	6.27
Hog Hole, St. Cath.	5.41	2.76	31	5	2.42	Little London					8.30
Grove Farm	5.40	3.20	31	4	...	Retreat					7.29
Old Harbour	7.46	4.90	31	4	2.37	Sheffield					...
May Pen	8.95	4.49	31	7	3.26	Negril Point L.H.	6.20	1.25	27	14	5.76

NOTES

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL

DIVISIONAL AND ISLAND RAINFALL	July			
	Rainfall, inches		Days on which Rain fell	
	1944	Ave.	1944	Ave.
North-eastern	6.89	6.14	10	10
Northern	5.12	3.65	8	7
West-central	11.25	7.65	12	13
Southern	8.45	3.42	7	8
The Island means	7.93	5.22	9	9

SHOCKS OF EARTHQUAKE IN JULY, 1944

Date	Standard Time (Approx.)	Intensity	Notes, where, etc.
18.7.44	12.02 p.m.	I	Last Prospect

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND

The mean rainfall for the Island was 7.93 inches, or 2.71 inches above the 70-year normal of 5.22 inches. The Divisional Means were also above their normals.

The greatest rainfall for the month was 23.47 inches, at Exeter, in the West-Central Division, and the heaviest fall in 24 hours was 8.87 inches, at Edge Hill, in the West-Central Division, on the 31st.

The mean number of rain days was 9, which is also the average for the month. The greatest number of rain days, 28, was recorded at Cousin's Cove, in the Northern Division.

The mean rainfall in each parish is given below. The 10-year normal is also shewn for comparison:—

Parish	July, 1944	10-year Normal
	Inches	Inches
Kingston	4.53	3.02
St. Andrew	6.11	4.74
St. Thomas	10.65	6.90
Portland	8.71	9.21
St. Mary	4.44	3.95
St. Ann	3.20	3.35
Trelawny	5.79	3.86
St. James	4.14	4.80
Hanover	8.98	7.84
Westmoreland	14.64	8.93
St. Elizabeth	12.61	4.80
Manchester	13.03	5.70
Clarendon	10.42	5.07
St. Catherine	6.12	5.03

Westmoreland, with 14.64 inches, was highest; Manchester, with 13.03 inches, was next, and St. Elizabeth, with 12.61 inches, was third. St. James, with 4.14 inches, was lowest.

HAZE

On the afternoon of the 2nd a thick haze approached the Island from the southeast and affected all districts until the 5th, when it cleared. Visibility was generally 4 miles or less during this period. The haze was experienced in most parts of the Caribbean.

TROPICAL DISTURBANCES

There were several disturbances in the Caribbean area during the month, but only one developed appreciably. This disturbance, which was first apparent on the 24th in a position to east of the Grenadine Islands, developed into a small tropical storm of moderate intensity and moved west-northwest from 24th-26th. On 26th, when the centre was some 200 miles east-southeast of Kingston, it disintegrated, leaving an area of squally weather which drifted into the Windward Passage-Jamaica area during the 27th-28th.

CITY OF KINGSTON

The total rainfall for the month of July was 4.57 inches, or 2.90 inches above the 70-year normal of 1.67 inch. The Upper Boundary of Kingston gauged 4.88 inches, with 7 rain days.

The several directions in which distant rain was observed were as follows:—to north on 4 occasions, to northwest on 2, and to northeast and east on 1 occasion each.

Distant lightning was observed to north on 3 occasions, to northeast and east on 2 occasions each, and to east-south-east once.

Distant thunderstorm occurred to north on 5 occasions, to northwest 2, and to east, east-south-east and south on 1 occasion.

The mean barometric pressure was 29.947 inches, or .013 inch below the 33-year normal of 29.960 inches. The highest barometric reading was 30.010 inches, on the 7th, at 3.00 p.m., and the lowest was 29.859 inches, on the 31st at 3.00 p.m., corrected for diurnal variation.

The mean temperature for the month was 82.2°, or 8° above the normal of 81.4°. The highest maximum was 95.8° on the 20th, and the lowest minimum was 72.8°, on the 10th, giving an extreme monthly range of 23.0°. On the other hand, the lowest maximum was 80.0° on the 27th, and the highest minimum was 77.4° on the 23rd. The greatest range, 21.1°, was recorded on the 20th, and the least, 3.9°, on the 27th. The maximum temperature rose to 90°* and above on 16 occasions, and the minimum was 70°* and above on 25 occasions.

The mean daily miles of wind recorded was 217, or about 5% below the 25-year normal of 227. The greatest number of miles of wind recorded in 24 hours was 323, on the 28th, and the least was 107, on the 13th. Greatest velocity, of short duration, was 45 miles per hour, on the 4th, at about 3.30 p.m. Southeast wind prevailed early on 5 occasions, and continued after dusk on 18 occasions.

The mean relative humidity was 77%, or 1% above the 33-year normal of 76%. Mean 7.00 a.m. was 78%, and the mean 3.00 p.m. 68%. The lowest 7.00 a.m. was 70%, on the 3rd, and lowest 3.00 p.m. was 60%, on the 3rd.

Overcast conditions prevailed in the forenoon on 10 occasions, and in the afternoon on 15 occasions.

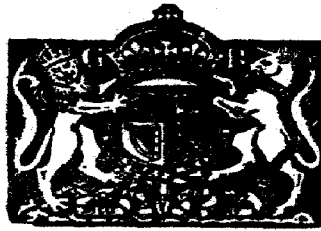
The total evaporation was 8.41 inches, the 20-year normal being 7.88 inches.

The mean daily number of sunshine hours was 7.8.

(Sgd.) S. H. HARVEY,
Meteorological Officer.

Weather Office, Kingston.
20th August, 1944.

*The figures for Kingston have been calculated on a limited number of observations, viz.:—18 readings for 7.00 a.m. Dry and Wet Bulbs; and 22 readings for 3.00 p.m. Dry and Wet Bulbs; and 25 readings for maximum and minimum.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF
AUGUST, 1944

The barometric pressures at all the Stations, except the Hill Gardens, and Hope Agricultural Station are reduced to the standards of Kew 32", gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens and Hope Agricultural Stations are reduced to the first two standards only. Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part *fracto-stratus*; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and *cirro-stratus*.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The Standard of time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

METEOROLOGICAL RESULTS

STATIONS	Elevation	Bar. Pressure		Temperature (F.)					Extreme Temperature (F.)				
						Max.	Min.	Range	Max.	Date	Min.	Date	Range
		7 a.m.	3 p.m.	7 a.m.	3 p.m.								
	ft.	ins.	ins.	°	°	°	°	°	°		°		°
Morant Point Light House	8	29.902	29.903	82.5	85.6	88.2	79.0	9.2	91.0	26	74.0	17	17.0
Kingston	24	29.933	29.884	77.1	86.0	89.9	74.8	15.1	92.0	8	72.3	1*	19.7
Upper Kingston	110	29.926	29.885	77.6	86.8	89.9	74.0	15.9	92.4	10	70.8	18	21.6
Negril Point Light House	33	29.929	29.892	77.5	86.0	88.5	73.9	14.6	92.5	16	70.7	24	21.8
Montego Bay	33	..	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens	496	..	..	..	..	..	..	..	..	..	..	..	..
Hope Agricultural Station	668	29.203	29.152	74.7	84.3	88.4	71.2	17.2	92.6	15	69.3	1	23.3
Hill Gardens, Blue Mountains	4,900	25.221	25.183	62.2	70.0	74.2	60.0	14.2	79.0	9*	58.7	34	20.3
Orange River Experimental Station	450	..	..	74.8	84.6	86.4	69.9	16.5	90.0	8	66.5	22	23.5

STATIONS	Elevation	Dewpoint and Rel. Humidity				Rainfall	Wind per diem	Wind direction from and speed (m.p.h.)				Amount of Cloud † Lower, Middle and Upper					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
		ft.	°	%	°			%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House ..	8	77	85	78	79	12.75	272	E	14.0	E	13.0	5.5	0.4	1.7	4.4	0.4	2.8
Kingston ..	24	71	82	76	71	5.96	194	N	4.0	SE	16.4	1.3	0.9	0.2	3.1	2.3	0.6
Upper Kingston ..	110	71	81	75	68	7.78	156	N	4.5	SE	12.3	1.6	0.4	0.0	3.8	2.9	0.4
Negril Point Light House ..	33	73	84	75	69	5.06	114	E	2.8	E	7.3	2.0	0.0	2.6	5.8	0.0	1.5
Montego Bay ..	33	..	..	..	..	3.46	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens ..	496	..	..	..	..	18.75	..	..	..	..	..	..	..	..	..	..	..
Hope Agricultural Station ..	668	68	79	74	71	11.65	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns. ..	4,900	56	81	62	78	18.14	..	..	..	..	..	..	..	..	..	..	..
Orange River Ex- perimental Station	450	73	96	74	72	9.48	..	..	..	..	..	..	..	..	..	..	..

NOTES

(1) Kingston—As from 1st January, 1943, Temperatures are taken from thermometers located at Winchester Park.

(2) Hope Agricultural Station—On the 1st Jan., 1944, the Hope Gardens barometer was moved to a new site on Hope Agricultural Station, near to the thermometer and rain gauge. Observations are now taken at 7 a.m. and 3 p.m. Barometric pressure is at present not reduced to sea level.

(3) Montego Bay—Observations lapsed.

* And on other days.

† Amounts are expressed in tenths of the sky.

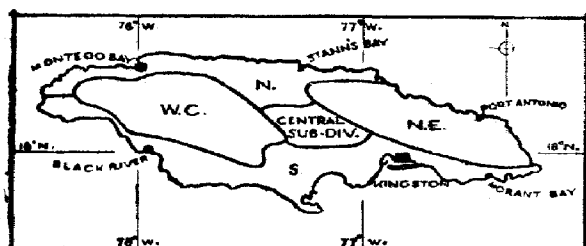
No averages etc. for Castleton Gardens due to instruments being damaged during hurricane on August 20th.

THE RAINFALL

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



STATIONS	August, 1944				
	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	8.44	5.50	20	8	7.78
Ecclesdown	18.07	10.43	20	16	
Priestman's River					8.46
Bath	18.31	11.35	20	13	10.04
Barrett's Gap	21.57	9.60	20	10	
Millbank	23.61	9.50	20	12	17.27
Bowden Pen	31.41	15.50	20	16	
Moore Town	31.27	12.05	20	19	15.88
Port Antonio					11.63
Passley Garden					10.97
Fellowship					14.05
Johnson River Br.	18.63	10.69	20	7	9.92
Trinity Ville	17.34	10.50	19	8	9.39
Fruitful Vale					
Shrewsbury					9.08
Hope Bay	10.28	7.60	0	20	9.37
Cedar Valley	21.50	12.20	20	6	9.53
Swift River	18.74	11.10	20	10	
Lennox					7.76
Bybrook	8.17	6.07	20	6	
Darley	13.12	6.76	21	9	
Spring Garden	5.78	4.76	20	4	6.60
Hill Gardens	18.14	10.59	20	9	7.77
Buff Bay					6.09
Plum Valley	11.04	6.85	20	10	
Belvedere, Portland	11.15	7.05	20	7	5.72
Windsor Castle, do	12.04	4.40	20	14	5.82
Balcarras	19.59	12.60	20	8	7.15
Mt. Holstein	17.86	11.41	20	13	7.32
Cedar Hurst	24.48	17.68	20	11	7.97
Mt. Pleasant					

STATIONS	August, 1944				
	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date		
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Hardware Gap	17.80	11.34	20	10	8.27
Rose Hill	17.64	8.45	20	19	9.80
Mount Cressy	22.88	9.55	20	12	
Hermitage	15.40	10.88	20	15	10.22
Mount Airy	20.90	10.79	20	11	
Stony Hill	16.34	8.57	20	14	9.00
Golden Spring	13.80	8.50	20	10	
Brandon Hill	13.70	7.85	20	6	
Enfield	14.16	8.75	20	6	7.17
Agualta Vale	8.48	3.46	20	6	4.37
Castleton Gardens	18.75	2.38	19	9	10.71
Water Valley	7.18	3.50	20	7	4.25
Albany					4.35
Platfield	12.38	5.56	20	13	
Lawrence Tavern	10.63	4.80	20	11	8.65
Wey Hill	8.20	2.10	20	13	
Richmond, St. Mary	7.96	3.65	20	8	5.20
Orange River Experimental Station	9.48	4.55	20	10	
Quebec, St. Mary	9.93	6.60	20	10	4.88
Above Rocks	13.10	6.75	20	13	
Glengoffe	13.82	7.11	20	14	
Carew Castle	17.95	5.78	20	17	9.82
Hampstead, St. Mary	10.55	5.55	20	6	4.37
Windsor Castle, do.	6.02	4.08	20	7	7.08
Troja	12.85	5.60	20	10	7.47
Pear Tree Grove	3.70	1.40	16	6	6.53
Guy's Hill	6.67	3.77	20	7	5.77
Lucky Hill	4.47	1.50	20	7	3.38
Rio Hoe	9.48	6.53	20	5	6.02
Unity Valley	13.77	7.46	20	15	6.67
Moneague	13.23	8.00	20	9	6.51
Claremont	11.41	8.09	20	5	5.09
Averham Park	13.43	9.00	20	7	4.91
Albion	10.64	7.11	20	8	5.97
NORTHERN DIVISION (N)					
Port Maria	8.63	4.65	20	12	5.08
Wentworth					
Jacks River	7.83	4.50	20	9	
Oracabessa	6.62	3.71	20	8	6.73
Retreat	5.54	2.65	20	7	
Huddersfield					5.63
Exchange	6.40	3.10	20	5	
Ocho Rios	4.43	2.93	20	3	3.25
Rockfield	5.66	2.93	20	11	4.45
Liberty Hill	1.95	0.77	16	6	3.11
St. Ann's Bay	7.64	5.85	20	7	3.40
Richmond Estate	7.20	4.70	20	6	3.07
Runaway Bay	2.37	0.78	15	6	2.08
Thatchfield	11.97	6.40	20	8	
Knapdale	8.91	4.80	20	9	6.14
Alexandria	7.60	4.05	20	9	4.78
Bel-Air	6.15	3.60	20	7	3.60
Brown's Town	9.27	5.83	20	8	4.45
Wilton	6.05	2.85	20	10	
Watt Town, St. Ann	15.37	7.75	20	13	4.43
Home Castle	12.74	6.00	20	6	3.65
Stewart Town	7.90	4.40	20	8	
Arcadia	5.62	3.75	20	7	3.34
Vale Royal					4.55
Harmony Hall	4.09	2.60	20	9	2.42
Duncans	5.18	4.36	20	4	3.67
Clark's Town	6.86	4.45	20	9	5.27
Gibraltar	8.98	5.25	20	10	
Falmouth	9.97	7.17	20	5	2.46

		August, 1944							August, 1944				
STATIONS		Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average	STATIONS		Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
			Amount	Date						Amount	Date		
NORTHERN DIVISION, contd.							WEST-CENTRAL DIVISION, contd.						
Maroon Town	..	5.49	2.66	20	11	..	Wait-a-bit	..	14.66	8.85	20	12	..
Adelphi	..	6.18	2.45	20	10	..	Christiana	..	9.12	5.30	20	11	7.05
Windsor Lodge	..	4.30	1.80	20	9	..	Holmwood	..	8.92	6.37	20	6	..
Latium	..						Edge Hill	..	10.45	5.35	20	6	..
Barrett Hall	..						Kendal, Manchester	..	11.74	6.70	20	7	8.08
Success	..	3.44	1.75	20	5	2.25	Mereworth	..	18.30	6.76	20	12	9.18
Cornwall	..	5.53	2.30	20	7	..	Mandeville	..	11.14	4.42	20	12	8.70
Rose Hall	..	5.28	2.70	20	7	2.29	Ulster Spring	..	12.73	8.00	20	13	8.40
Cinnamon Hill	..	4.06	2.00	20	5	2.37	Greenvale	..	6.42	2.15	20	11	6.88
Tryall	..	4.05	1.20	20	8	4.57	Albert Town	..	9.46	4.86	20	8	9.00
Running Gut	..	5.05	2.40	20	6	2.56	Craig Head	..	10.32	3.35	20	5	..
Spring Estate	..	4.98	2.05	30	7	2.44	Warsop	..	11.69	5.80	20	10	9.84
Friendship	..	5.14	3.30	20	6	6.53	Troy	..	13.42	4.80	20	12	9.90
Irwin	..	3.94	2.55	20	5	6.61	Wallingford	..	8.98	2.40	20	18	10.77
Retirement	..	5.05	3.35	20	6	6.90	Balaclava	..	7.92	1.77	20	11	8.04
Montego Bay	..	3.46	2.03	20	5	5.15	Braes River	..	7.50	2.40	20	8	..
Anchovy	..	3.81	1.61	20	10	6.39	Wakefield	..	7.57	3.75	20	9	5.05
Hopewell	..	8.63	2.58	20	11	..	Appleton	..	8.63	2.48	20	16	11.15
Blue Hole	..	4.72	1.70	20	11	6.45	Aberdeen	..	9.73	3.26	20	17	..
Cascade	..	12.29	2.95	20	15	..	Accompong	..	12.07	3.69	20	13	..
Lucea	..	6.00	2.31	20	12	6.15	Maggotty	..	8.26	2.50	20	13	11.20
Haughton Court	..	6.11	2.80	20	5	6.46	Lacovia	..	9.16	2.05	20	11	7.80
Kendal—Hanover	..	9.95	2.98	20	12	..	Mulgrave	..	17.31	6.12	20	18	..
Cousin's Cove	..	4.87	2.78	20	18	7.61	Holland	..					
Blenheim	..	5.02	1.57	23	15	..	Ipswich	..	9.33	1.88	6	17	..
Green River	..	7.34	2.90	20	14	..	Ginger Hill	..	12.10	5.03	20	15	..
Green Island	..	4.78	2.85	20	12	9.24	Kempshot	..	5.96	3.50	20	5	7.76
Haughton Hall	..	5.15	1.70	20	20	7.86	Maldon	..					
CENTRAL SUB-DIVISION							Garlands	..					
Knollis	..	8.24	5.20	20	10	9.14	Mocho, St. James	..					14.50
Sligoville VICE HIGHGATE	..	9.16	5.40	20	12	11.11	Catadupa	..	11.37	3.20	20	16	13.17
Rio Magno	..	10.63	4.50	20	6	8.31	Cambridge	..	8.27	2.52	20	17	11.03
Riversdale	..	9.81	2.24	20	13	9.91	New Market	..	10.26	2.06	20	14	12.16
Headworks, R.C.C.	..	10.64	4.77	20	9	5.87	Springfield	..	9.15	3.50	20	13	..
Bog Walk	..	6.22	2.30	20	9	8.28	Seaford Town	..	15.69	2.93	16	14	..
Linstead	..	10.77	6.01	20	12	8.45	Petersville	..	9.52	1.57	27	14	10.36
Ewarton	..	11.95	7.30	20	11	..	Kew Park	..	7.54	2.06	20	17	11.97
Greenock	..	14.83	6.40	20	14	..	The Bog	..	9.95	1.89	20	14	12.53
Cave Valley	..	14.23	6.25	20	15	7.25	Exeter	..	15.75	2.95	13	19	..
Guanaboa Vale	..	11.23	5.32	20	7	7.23	Bethel Town Dist.	..	6.94	2.60	20	17	12.75
Point Hill	..	6.15	5.20	20	4	10.41	Copse	..					10.80
Brown's Hall	..	6.64	2.08	20	12	7.88	Burnt Ground	..	7.36	2.85	20	14	10.81
Bellas Gate	..	11.95	8.75	20	11	7.72	Haughton Grove	..	7.62	2.94	27	15	11.05
Rock River	..	10.53	6.44	20	5	6.71	Knockalva	..					..
Croft's Hill	..	11.85	8.63	20	8	7.96	Darliston	..	12.97	2.80	20	18	15.16
Kellit's	..	5.81	2.05	20	11	..	Whithorn	..	6.42	2.36	20	8	11.78
Suttons	..	9.48	5.70	20	7	6.97	Water Works Farm*	..	7.90	2.05	20	18	11.95
Colonel's Ridge	..	11.63	6.05	20	9	..	Williamsfield, WLD.	..	9.72	3.00	13	16	..
Tulloch	..	10.18	5.06	20	18	..	Petersfield	..	6.56	1.85	20	12	..
Chapelton	..	11.57	6.82	20	12	6.28	Baulk	..	8.54	2.69	20	17	..
Crooked River	..	11.81	5.58	20	12	7.65	Askenish	..	10.67	3.30	20	15	13.30
James Hill	..	11.01	5.65	20	6	..	Grange Hill	..	9.39	2.05	20	17	12.23
Frankfield	..	11.92	5.39	20	9	8.58	Mount Eagle	..					..
WEST-CENTRAL DIVISION (W.C.)							King's Vale	..	2.52	0.24	7	17	9.42
Mocho, Clarendon	..	11.37	5.45	20	9	6.95	SOUTHERN DIVISION, (S.)						
Thompson Town	..	13.25	5.90	20	11	..	Morant Point L. H.	..	12.75	10.25	20	15	5.12
Porus	..	13.57	5.80	17	5	..	Golden Grove	..	14.28	8.55	19	12	..
Borebridge	..	12.41	6.42	20	9	..	Pleasant Hill	..	13.70	9.90	20	10	7.13
Spaldings	..	10.65	5.80	20	7	7.57	East Prospect	..	13.40	10.27	20	11	6.90
Williamsfield	..	14.97	6.50	20	8	9.69	Morant Bay	..	10.68	4.75	20	7	6.53
Brokenhurst	..					8.34	Lloyds	..	16.28	9.03	20	9	..
Shooter's Hill	..	13.56	7.78	20	9	7.73	Yallahs	..	15.10	10.10	20	4	5.52
	..						Easington	..	14.10	7.08	20	10	6.47

* formerly Water Works Pan.

STATIONS	August, 1944					STATIONS	August, 1944				
	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average		Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
<i>formerly maris Bank</i> SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Guava Ridge	16.17	9.74	20	4	6.96	Cottage	7.53	3.05	20	7	4.49
Harbour Head	4.50	1.55	18	5	2.81	Pennants	12.95	7.00	20	8	
Dallas Castle	12.59	9.77	20	9	8.35	Belle Plain	12.46	6.15	20	5	6.88
Gordon Town	16.11	12.70	20	5	5.88	Milk River	11.08	5.46	17	4	4.29
Irish Town	15.20	11.80	20	7	6.92	Retrieve	15.63	5.20	20	4	4.30
Hope Agricultural Stn.	11.65	7.55	20	10	6.01	Stone's Hope	17.00	5.98	20	8	6.55
Bamboo Avenue <i>(VICE PEN)</i>	10.33	7.66	20	9		Newport, Man.	14.75	5.50	20	3	7.41
Plumb Point L.H.	7.55	5.21	20	4	3.78	Alligator Pond	9.80	3.50	16	4	3.94
King's House Gar.	11.15	8.10	20	11	4.84	Myersville	5.00	3.00	19	2	
Up-Park Camp	8.20	5.66	20	10		Goshen	4.80	2.55	20	4	
Cavaliers	7.31	5.25	20	10		Bull Savannah	10.38	3.80	16	6	
St. George's College	7.06	4.81	20	6		Munro	8.51	4.04	20	6	4.45
Upper Kingston	7.78	5.54	20	8	4.86	Windsor, St. Eliz.	7.88	3.33	20	13	6.96
Parade Garden	7.32	2.65	20	5		Torrington	7.15	4.50	20	4	5.46
Kingston P.W.O.	5.96	4.81	20	6	3.74	Santa Cruz	9.30	1.90	20	10	9.16
Shortwood College	13.26	8.85	20	7		Hounslow	5.83	2.85	20	6	
Constant Spring	15.17	9.02	20	16		Pedro Plains	5.40	1.82	20	4	3.04
Halfway Tree	9.10	6.70	20	6	4.03	Mountainside	6.74	1.78	20	8	5.42
Clifton Pen	9.28	7.34	20	8	4.34	Fort Charles	4.14	2.00	21	3	2.72
Twickenham Pen	6.50	5.01	20	7		Black River	4.07	1.18	17	7	6.12
Red Hills	7.08	2.80	20	10	7.73	Mt. Charles	10.40	3.40	24	12	
Quarantine Station	6.72	5.20	20	5	3.07	Mount Edgecombe	7.39	1.23	27	18	8.31
Hematine	7.43	5.24	20	6	4.41	Bluefields	6.65	1.74	20	12	
Spanish Town	8.71	5.34	20	10	4.19	Sav.-la-Mar	4.21	1.66	20	7	7.67
Hog Hole, St. Cath.	7.80	4.66	20	9	4.59	Little London	9.50	2.34	27	13	7.35
Grove Farm	12.74	8.60	20	4	5.16	Retreat (Westld)	8.51	2.77	20	12	8.26
Old Harbour	9.70	7.05	20	5		Sheffield	5.97	2.00	20	11	
May Pen	9.69	5.69	20	8	5.35	Negril Point L.H.	5.06	2.45	20	13	6.37
Glen Muir	11.25	6.65	20	5	5.66						

NOTES

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL

DIVISIONAL AND ISLAND RAINFALL	August			
	Rainfall, inches		Days on which Rain fell	
	1944	Ave.	1944	Ave.
North-eastern	13.29	7.85	10	12
Northern	7.39	5.27	9	9
West-Central	9.75	9.99	11	15
Southern	9.64	5.45	7	10
The Island means	10.02	7.14	9	12

SHOCKS OF EARTHQUAKE IN AUGUST, 1944

Date	Standard Time (Approx.)	Intensity	Notes, where, etc.
NONE REPORTED			

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND

The mean rainfall for the Island was 10.02 inches, or 2.88 inches above the 70-year average of 7.14 inches. The Divisional Means were also above their normals, with the exception of the West-Central division.

The greatest fall for the month was 31.41 inches, at Bowden Pen, in the Northeastern Division, and the heaviest fall in 24 hours was 17.68 inches, at Cedar Hurst, in the Northeastern Division, on the 20th.

The mean number of raindays was 9, the average for the month being 12. Haughton Hall, in the Northern Division, had the greatest number, 20, and the least number, 2, was recorded at Myersville, in the Southern Division.

The mean rainfall in each parish is given below. The 10-year average is also shown for comparison.

Parish	August	10-year Normal
	Inches	Inches
Kingston	7.13	5.61
St. Andrew	13.11	7.25
St. Thomas	15.93	8.21
Portland	16.56	10.48
St. Mary	9.11	6.38
St. Ann	9.34	4.87
Trelawny	9.09	5.36
St. James	4.78	6.11
Hanover	6.91	8.67
Westmoreland	8.71	9.91
St. Elizabeth	8.46	7.00
Manchester	12.38	8.23
Clarendon	10.92	6.81
St. Catherine	9.19	7.46

Portland, with 16.56 inches, was highest; St. Thomas, with 15.93 inches, was second, and St. Andrew with 13.11 inches, was third. St. James, with 4.78 inches, was lowest.

WEATHER DISTURBANCES DURING AUGUST

Three tropical depressions formed in the eastern Caribbean during the month, of which only one developed. This latter one originated east of the Grenadines on the 16th and commenced to move west-north-west, being noted as a storm over Grenada during the night of the 16-17th. It then continued to move west-north-west over the sea at a speed of 12 m.p.h. and developed into a hurricane of small area but severe intensity, striking land for the first time over Jamaica on the 20th—with devastating effect. A full report on the effect on Jamaica is contained in Weather Report No. 828 but a few items are also given below. The hurricane continued to move west-north-west, passing over Grand Cayman and Cozumel Island and finally reaching the coast of the Mexican mainland near Tampico on the 24th, where it died out.

The storm centre struck Jamaica at Boston Bay, on the north-east coast, at approximately 11.30 a.m. EST and passed along the coast to Annotto Bay (approximately 1 p.m.), and then continued in a west-north-westerly direction approximately 4 miles inland, finally leaving the coast just north-east of Montego Bay at about 5 p.m. The greatest force of wind was experienced between Morant Point and St. Ann's Bay, but very strong winds were recorded along the entire north coast and in most parts of the Island. No measurements of the strongest winds are available, but it is estimated that they were of the order of 100 to 120 m.p.h., from directions between N.W. and N.E., and occurring along the coast from Manchieneal to St. Ann's Bay. Considerable rain occurred in the eastern and southern parts of the Island ahead of the hurricane, and generally over the Island afterwards, but these rains did not last for more than 18 hours after the passage of the centre. Not much thunder occurred ahead of the hurricane, but moderate thunderstorms were recorded in the south-east of the Island afterwards. It is estimated that the barometric pressure at the centre of the storm was approximately 980 millibars, i.e., 28.94", at sea level. It is not possible to give a complete statement of the damage but the financial loss must have been of the order of £3,000,000 and a total of more than 30 deaths were reported. Damage to agriculture occurred in all parishes but most of the damage to life and property occurred in the north-east and northern parishes. Very high seas were recorded within an area of 30 or 40 miles round the centre, and precipitous seas near the centre. These seas came inland to distances of 50 to 100 yards over the low lying coasts and caused much damage to harbour installations and shipping.

CITY OF KINGSTON

The total rainfall for the month of August was 5.96 inches, or 2.22 inches above the 70-year average of 3.74 inches. There were 6 rain days. The Upper Boundary of Kingston gauged 7.78 inches, with 8 rain days.

Distant rain was observed as follows: to north on 12 days, to north-west on 12 days and to east and north-east on 1 day each.

Distant lightning was observed to north, north-west, north-east and west on 1 occasion each.

Distant thunderstorm occurred to north on 4 occasions, to north-east on 2, to west and east on 2 occasions each.

A brilliant solar halo was observed on the 29th, at about 11.00 a.m.

The mean barometric pressure was 29.920 inches, or .009 inch below the 33-year normal of 29.929 inches. Highest barometer reading was 29.982 inches, on the 9th, at 3.00 p.m., and the lowest was 29.725 inches, on the 20th, at 3.00 p.m., corrected for diurnal variation.

The mean temperature based upon four observations per day, was 81.4°, or .4 above the 33-year normal of 81.0°. The highest maximum was 92.0° on the 8th, and the lowest minimum was 72.3°, on the 1st and 24th, giving an extreme monthly range of 19.7°. On the other hand, the lowest maximum was 79.1°, on the 20th, and the highest minimum was 78.9° on the 16th. The greatest range was 17.6°, on the 24th, and the least was 2.4°, on the 20th. The maximum temperature rose to 90° and above on 10 days, and the minimum was 70° and above throughout the month.

The mean daily miles of wind recorded was 194, as compared with the 25-year normal of 193. The greatest number of miles of wind recorded in 24 hours was 435, on the 20th, and the least was 100, on the 15th. Greatest velocity, of short duration, was 55 miles per hour, on the 20th, at about 2.00 p.m. South-east wind prevailed after dusk on 14 occasions.

The mean relative humidity was 81%, or 2% above the normal of 79%. Mean 7.00 a.m. was 82%, and mean 3.00 p.m. 71%. Lowest 7.00 a.m. was 70%, on the 3rd, and lowest 3.00 p.m. was 54%, on the 4th.

Overcast conditions prevailed in the forenoon on 5 occasions, and in the afternoon on 15 occasions.

Total evaporation for the month was 8.23 inches, the 20-year normal being 7.02 inches.

The mean sunshine hours for the month was 7.6.

NOTES

Four stations have been re-named in this Report—(No. 827, August, 1944), viz.:—

Former name	New name
Highgate (St. Cath.).	Sligoville
Water Works Pen	Water Works Farm
Mavis Bank	Guava Ridge
Bamboo Pen	Bamboo Avenue

The gauge which was formerly situated at Mavis Bank is now situated at the Police Station, Guava Ridge.

The gauge which was formerly situated at Highgate (St. Cath.) is now situated on "Mt. Pelier", the property immediately adjacent to the property "Highgate" and about $\frac{1}{2}$ mile from Sligoville and is kept by J. F. Mills, Esq.

CORRIGENDA

Weather Report No. 826, July, 1944

Page 2:

The undermentioned figures should be added to the rainfall readings for the North-eastern Division:—

Station	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date		
Manchioneal ..	12.27	4.55	27	7	5.84
Ecclesdown ..	14.54	4.15	28	11	..
Millbank ..	14.11	3.31	30	9	21.31
Bowden Pen ..	17.60	4.90	26	16	..
Moore Town ..	9.19	2.89	30	14	17.38
Port Antonio	16.57	4.50	30	12	10.61
Fellowship ..	13.94	4.00	30	15	14.17
Fruitful Vale ..	7.85	2.18	26	9	..
Hope Bay ..	8.44	1.72	26	10	11.88
Swift River ..	2.90	0.96	31	5	..
Lennox ..	5.55	2.00	30	8	10.14
Bybrook ..	2.41	1.42	27	6	..
Darley ..	6.49	1.13	31	13	..
Buff Bay ..	4.24	1.47	27	4	6.36
Plumb Valley ..	2.29	1.36	28	5	..
Belvedere, Portland	2.69	1.20	27	7	3.88
Windsor Castle, Portland	3.27	1.36	27	9	4.85
Balcarres ..	4.79	1.80	31	6	4.14
Mt. Holstein ..	4.72	1.74	27	9	4.90
Cedar Hurst ..	6.90	2.25	31	12	5.20

Page 4:

The mean figures given in the Comparative Table should be amended as under:—

Divisional and Island Rainfall		July, 1944
		Inches
Northeastern Division	...	7.31
Island Mean	...	8.03

Page 4:

Amend total fall for Negril Point Lighthouse to read 6.67 inches instead of 6.79 inches.

Amend rainfall data for Bull Savannah to read for Hounslow and Hounslow rainfall data for Santa Cruz.

Amend rainfall data for Santa Cruz to read for Torrington and Torrington rainfall data to read for Windsor.

Amend rainfall data for Windsor to read for Munro and rainfall data for Munro to read for Bull Savannah.

Page 5: The Island

Amend heaviest fall in 24 hours to read 10.87 inches at Munro, in the Southern Division on the 27th, instead of 8.87 inches, at Edge Hill, in the West-central Division, on the 31st.

Page 5: Parish Rainfall:

Amend rainfall figures for the parish of Portland to read 8.48 inches instead of 8.71 inches.

Weather Office,
Kingston,
20th September, 1944.

(Sgd.) S. H. HARVEY,
Meteorological Officer.



JAMAICA WEATHER REPORT

FOR THE MONTH OF
SEPTEMBER, 1944

The barometric pressures at all the Stations, except the Hill Gardens and Hope Agricultural Station, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens and Hope Agricultural Station are reduced to the first two standards only. Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus, the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m. and entered as having fallen on the previous day.

The standard of time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

METEOROLOGICAL RESULTS

STATIONS	Elevation	Bar. Pressure		Temperature (F.)					Extreme Temperature (F.)			
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date
	ft.	ins.	ins.	°	°	°	°	°	°		°	°
Morant Point Light House	8	29.908	29.861	81.7	84.4	88.1	76.0	12.1	91.2	9	71.5	12
Kingston	24	29.898	29.865	76.6	83.8	88.2	74.2	14.0	92.8	28	71.7	18
Upper Kingston	110	29.898	29.861	76.5	84.1	89.2	73.4	15.8	94.1	28	70.5	26
Negril Point Light House	33	29.902	29.856	79.8	84.1	87.1	74.0	13.1	90.5	28	72.0	15
Montego Bay	33	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens	496	..	..	71.2	83.0	85.5	68.2	17.3	90.0	6	66.5	16
Hope Agricultural Station	668	29.171	29.119	73.5	81.3	86.9	70.8	16.1	91.7	28	69.0	26
Hill Gardens, Blue Mountains	4,900	25.196	25.159	61.4	66.5	71.4	59.4	12.0	75.4	27	57.3	21
Orange River Experimental Station	450	..	..	73.9	82.1	86.0	69.6	16.4	91.4	12	66.8	1

STATIONS	Elevation	Dewpoint and Rel. Humidity				Rainfall	Wind per diem	Wind: direction from and Speed (m.p.h.)				Amount of Cloud † Lower, Middle and Upper					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.		3 p.m.			
	ft.	°	%	°	%	Ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	76	84	77	79	15.86	150	E	7.0	E	7.0	5.0	0.8	2.3	5.0	0.6	2.7
Kingston	24	72	83	75	73	3.13	131	N	4.3	SE	9.6	3.4	0.3	1.8	6.4	1.2	0.8
Upper Kingston	110	72	85	75	73	4.95	114	N	3.9	SE	6.7	3.9	0.5	1.7	6.6	1.8	1.0
Negril Point Light House	33	74	82	74	72	5.97	109	ENE	3.1	SE	5.2	2.2	0.0	4.6	6.7	0.2	1.2
Montego Bay	33					6.36											
Castleton Gardens	496	67	92	75	78	16.10											
Hope Agricultural Station	668	68	83	74	79	7.45	2.81										
Hill Gardens, Blue Mtns.	4,900	58	86	64	90	8.54											
Orange River Ex- perimental Station	450	73	95	74	79												

NOTES

(1) Kingston.—As from 1st January, 1943, Temperatures are taken from thermometers located at Winchester Park.

(2) Hope Agricultural Station.—On the 1st Jan., 1944, the Hope Gardens barometer was removed to a new site on Hope Agricultural Station near to the thermometers and rain gauge. Observations are now taken at 7 a.m. and 3 p.m. Barometer pressure is at present not reduced to sea level.

(3) Montego Bay.—Observations lapsed.

* And on other days.

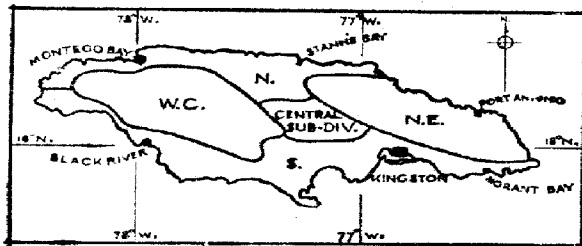
† Amounts are expressed in tenths of the sky

THE RAINFALL

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



		Sept., 1944										
STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average							
		Amount	Date									
NORTH-EASTERN DIVISION (N.E.)						Ins.	Ins.			Ins.		
Manchioneal	12.31	3.23	16	11	10.25	NORTHERN DIVISION (N)						
Ecclesdown	16.77	4.04	16	15		Port Maria	2.85	0.79	16	8	4.29	
Priestman's River					10.40	Wentworth						
Bath	17.08	3.26	17	21	12.45	Jacks River	4.33	0.83	11	9		
Barrett's Gap	20.01	4.74	16	20		Oracabessa	4.69	1.08	17	7	5.75	
Millbank	10.74	2.39	17	8	17.20	Retreat	3.76	2.00	13	8		
Bowden Pen	3.35	3.00	17	13		Huddersfield					3.89	
Moore Town	11.66	2.75	16	16	15.02	Exchange	2.65	1.36	18	4		
Port Antonio					10.48	Ocho Rios	3.65	1.50	17	5	3.59	
Passley Garden					9.73	Rockfield	4.34	2.09	11	17	4.59	
Mt. Pleasant	5.33	2.05	17	5		Liberty Hill	2.74	0.98	11	8	3.47	
Fellowship					12.41	St. Ann's Bay	3.45	1.22	11	8	3.48	
Johnson River Br.	14.16	2.94	17	14	10.79	Richmond Estate	5.75	1.10	13	8	3.63	
Trinity Ville	12.85	2.35	21	11	10.47	Runaway Bay	2.97	0.78	23	8	2.32	
Fruitful Vale	4.70	2.20	16	10		Thatchfield	6.05	3.22	11	9		
Shrewsbury					9.44	Knapdale	3.92	2.14	11	11	5.04	
Hope Bay	5.96	1.30	16	8	7.31	Alexandria	9.21	1.70	10	19	6.17	
Cedar Valley	14.10	2.19	17	16	11.85	Bel-Air	5.45	1.55	12	10	3.79	
Swift River	4.63	1.34	27	9		Brown's Town	7.01	1.89	4	11	5.43	
Lennox					6.44	Wilton	4.19	1.55	24	11		
Bybrook	7.15	2.77	14	9		Watt Town, St. Ann	8.50	1.45	8	13	5.74	
Darley						Home Castle	8.10	3.60	24	8	5.11	
Spring Garden					5.59	Stewart Town	9.68	3.21	14	13		
Hill Gardens	8.48	1.78	17	15	9.27	Arcadia	8.09	2.35	12	10	4.10	
Buff Bay	3.15	1.62	17	5	5.17	Vale Royal					4.46	
Plum Valley	6.32	2.00	5	6		Duncans	4.01	1.65	13	12	2.27	
Belvedere, Portland	6.25	1.90	5	10	2.98	Harmony Hall	4.36	1.52	12	15	3.53	
Windsor Castle, do.	3.54	1.14	17	9	1.95	Clark's Town	6.46	1.48	24	12	4.27	
Balcarres	4.60	1.35	5	8	7.56	Gibraltar	6.03	1.28	24	10		
Mt. Holstein	13.42	3.56	8	14	9.71	Falmouth	9.20	1.42	14	13	2.23	
Cedar Hurst	9.26	4.51	3	16	8.15							

STATIONS	Sept., 1944					STATIONS	Sept., 1944				
	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average		Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
NORTHERN DIVISION, contd.	Ins.	Ins.			Ins.	WEST-CENTRAL DIVISION, contd.	Ins.	Ins.			Ins.
Adelphi ..	3.37	1.10	14	13		Wait-a-bit ..	18.46	3.55	3	20	
Irwin ..	6.37	1.62	13	11	6.99	Christiana ..	10.09	1.69	20	19	8.70
Barrett Hall ..						Holmwood ..	9.51	1.21	20	15	
Success ..	2.51	1.05	13	7	3.37	Edge Hill ..	5.65	2.08	4	6	
Cornwall ..	2.67	1.20	13	7		Kendal, Manchester ..	11.90	1.82	17	16	9.28
Rose Hall ..	1.59	0.95	13	5	3.33	Mereworth ..	13.89	2.27	24	23	10.94
Cinnamon Hill ..	3.00	1.57	13	7	3.67	Mandeville ..	12.11	2.26	4	22	9.92
Tryall ..	2.55	0.80	13	7	4.61	Ulster Spring ..	13.51	3.27	3	16	9.83
Running Gut ..	1.74	0.90	13	7	3.54	Greenvale ..	7.46	0.96	17	16	7.81
Spring Estate ..	1.65	0.45	23	7	3.58	Albert Town ..	19.81	3.20	3	1	10.26
Friendship ..	7.05	1.50	24	15	7.49	Craig Head ..	17.62	3.32	20	1	
Windsor Lodge ..	3.70	0.90	14	15		Warsop ..	17.76	4.18	20	17	9.59
Latium ..	5.52	1.30	14	14		Troy ..	14.99	2.19	20	17	13.13
Retirement ..	7.80	3.01	24	13	8.46	Wallingford ..	7.83	1.14	1	2	11.76
Rose Mount ..						Balacava ..	8.17	1.35	2	1	10.30
Montego Bay ..	6.36	1.88	13	10	6.38	Braes River ..	11.49	2.16	19	1	
Anchovy ..	8.55	1.46	16	20	6.89	Wakefield ..	7.53	1.00	22	16	6.45
Hopewell ..	12.65	2.91	24	12		Appleton ..	8.74	1.48	2	15	11.74
Blue Hole ..	6.56	1.80	24	11	8.54	Aberdeen ..	8.52	1.45	2	18	
Cascade ..	11.66	1.90	16	14		Accompong ..	11.67	1.50	8	13	
Lucea ..	5.76	2.11	16	15	7.76	Maggotty ..	10.64	2.00	2	17	11.42
Haughton Court ..	6.99	3.17	16	9	6.92	Lacovia ..	10.73	1.54	17	11	5.55
Kendal—Hanover ..	10.56	1.85	6	14		Mulgrave ..	18.84	3.20	8	22	
Blenheim ..	15.81	3.30	16	16		Holland ..					
Cousins Cove ..	8.05	3.30	16	27	7.78	Ipswich ..	11.65	1.89	16	20	
Green River ..	7.54	0.80	2	21		Ginger Hill ..	12.85	1.80	2	19	
Green Island ..	10.61	2.10	6	16	9.54	Kempshot ..					8.96
Haughton Hall ..	5.74	0.84	6	22	7.96	Garlands ..					
CENTRAL SUB-DIVISION						Mochó, St. James ..					11.83
Knollis ..	7.03	1.20	17	12	7.46	Catadupa ..	9.54	2.00	14	19	13.72
Sligoville ..	9.29	2.63	10	19	9.69	Cambridge ..	12.03	2.17	5	18	12.04
Rio Magno ..	4.30	2.80	13	11	5.43	New Market ..	8.98	1.40	2	15	11.50
Riversdale ..	6.91	1.25	4	14	8.08	Springfield ..	13.82	3.00	2	18	
Headworks, R.C.C. ..	7.89	1.88	20	14	6.19	Petersville ..					9.48
Bog Walk ..	6.19	1.95	17	11	6.89	Kew Park ..	0.25	1.52	27	17	12.06
Linstead ..	6.33	1.60	26	13	7.40	Seaford Town ..	7.41	1.35	27	17	
Ewarton ..	7.42	1.80	20	11		The Bog ..	8.61	2.18	2	17	12.38
Greenock ..	12.60	3.15	26	15		Exeter ..	17.75	2.95	4	25	
Cave Valley ..	11.80	2.50	26	19	7.66	Bethel Town Dist. ..	10.42	1.50	5	19	14.22
Guanaboa Vale ..	4.81	2.10	10	9	5.97	Burnt Ground ..	10.92	2.27	9	14	12.69
Point Hill ..	12.81	2.60	17	11	10.65	Copse ..					10.54
Brown's Hall ..	7.04	1.54	16	16	9.81	Haughton Grove ..	12.76	1.83	14	21	12.12
Bellas Gate ..	4.86	0.92	13	16	5.64	Knockalva ..	10.20	1.75	12	16	
Rock River ..	6.00	2.20	17	10	5.90	Darliston ..	12.88	1.92	8	20	14.61
Crofts Hill ..	11.06	2.61	20	16	8.41	Whithorn ..	5.79	1.25	3	9	11.17
Kellitts ..	11.40	1.50	3	21		Water Works Farm ..	9.36	2.05	20	13	11.01
Suttons ..	8.05	2.00	17	12	7.48	Williamsfield, Wld. ..	9.08	1.10	6	25	
Tulloch ..	7.19	1.21	2	18		Petersfield ..	8.05	1.43	8	16	
Colonel's Ridge ..	9.89	1.63	20	22		Baulk ..	8.44	1.98	25	14	
Chapelton ..	8.68	2.19	24	16	7.77	Askenish ..	10.27	2.50	5	14	11.60
Crooked River ..	9.37	3.00	21	17	7.14	Grange Hill ..	7.78	1.60	6	19	12.02
James Hill ..	13.04	1.78	17	13		Mount Eagle ..					
Frankfield ..	10.50	1.89	20	18	8.09	King's Vale ..	3.39	0.70	2	15	9.76
WEST-CENTRAL DIVISION (W.C.)						SOUTHERN DIVISION, (S.)					
Mochó, Clarendon ..	9.70	1.62	24	14	9.18	Morant Point L. H. ..	15.86	3.94	16	20	6.85
Thompson Town ..	11.03	1.55	17	14		Golden Grove ..	15.90	2.78	16	18	
Porus ..	11.30	2.31	23	15		Pleasant Hill ..	14.47	2.71	17	17	8.85
Borobridge ..	9.59	2.00	10	12		East Prospect ..	16.16	4.02	17	17	8.85
Spaldings ..	12.91	2.50	10	18	7.82	Morant Bay ..	16.57	3.44	22	15	8.12
Williamsfield ..	10.42	1.64	24	18	9.02	Lloyds ..	10.72	1.82	17	15	
Brokenhurst ..					9.99	Yallahs ..	15.16	2.88	19	10	7.04
Shooter's Hill ..	14.62	2.75	16	17	8.81	Easington ..	14.60	3.12	19	13	8.39
						Gauva Ridge ..	7.71	1.75	17	11	7.29

STATIONS	Sept., 1944					STATIONS	Sept., 1944				
	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average		Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Bull Bay HARBOUR HEAD ..	4.48	1.15	17	10	3.85	Cottage ..	6.57	2.25	17	10	6.40
Dallas Castle ..	7.73	1.69	8	15	10.92	Belle Plain ..	8.67	2.00	22	10	8.12
Gordon Town ..	9.46	2.54	17	12	8.06	Milk River ..	10.87	2.50	24	11	6.76
Irish Town ..	8.84	2.50	3	12	8.55	Retrieve ..	6.62	3.75	23	5	6.43
Hope Gardens ..	6.45	1.52	17	16	7.14	Stone's Hope ..	7.33	1.48	17	13	8.58
Bamboo Avenue ..	7.72	1.88	9	14	..	Newport, Man. ..	9.15	1.81	24	10	8.23
Plumb Point L.H. ..	4.34	0.46	15	8	4.32	Alligator Pond ..	..	..	..	..	5.34
King's House Gar. ..	7.21	1.14	19	15	5.44	Myersville ..	12.42	3.00	23	8	..
Up-Park Camp ..	6.21	2.09	17	14	..	Goshen ..	7.58	1.60	29	14	..
Cavaliers ..	5.19	1.52	17	14	..	Munro ..	6.05	1.19	17	17	5.98
St. George's College ..	4.45	1.73	17	16	..	Windsor, St. Eliz. ..	6.85	1.29	24	16	7.64
Upper Kingston ..	4.95	1.60	17	16	4.53	Torrington ..	5.69	1.40	20	8	6.45
Parade Garden ..	3.52	1.50	17	12	..	Santa Cruz ..	9.42	1.46	29	19	9.41
Shortwood College ..	6.32	1.66	19	14	..	Hounslow ..	4.05	1.18	17	7	..
Kingston P.W.O. ..	3.13	1.30	16	15	3.82	Pedro Plains ..	4.58	1.10	17	9	4.10
Constant Spring ..	9.67	3.16	19	19	..	Bull Savannah ..	7.65	1.98	17	11	..
Halfway Tree ..	9.31	3.45	8	12	4.82	Mountainside ..	4.43	0.90	8	9	5.13
Clifton Pen ..	8.45	2.41	17	16	4.49	Fort Charles ..	2.13	1.00	17	3	3.53
Twickenham Pen ..	6.23	1.69	8	13	..	Black River ..	5.64	1.62	3	11	5.27
Red Hills ..	4.84	2.10	17	12	8.14	Mt. Charles ..	7.42	1.80	3	14	..
Quarantine Station ..	4.28	1.70	17	12	3.25	Mount Edgecombe ..	7.99	1.81	2	20	7.99
Hematine ..	4.56	2.32	17	5	4.51	Bluefields ..	6.76	1.66	2	13	..
Spanish Town ..	5.04	1.27	16	9	4.84	Sav.-la-Mar ..	8.77	4.65	6	11	7.14
Hog Hole, St. Cath. ..	8.07	2.39	20	9	5.68	Little London ..	8.72	2.98	6	12	9.37
Old Harbour ..	3.77	1.01	17	5	6.01	Retreat (West Ind.) ..	5.92	1.52	3	15	7.44
Grove Farm ..	..	..	..	..	..	Sheffield ..	8.02	2.05	12	12	..
May Pen ..	7.66	2.89	20	13	6.72	Negril Point L.H. ..	5.97	1.45	7	17	6.39
Glen Muir ..	9.90	2.50	20	10	4.92	..	..	..	..	..	..
Pennants ..	9.90	1.28	17	15	..	..	..	..	..	..	..

SHOCKS OF EARTHQUAKE IN SEPT., 1944

NOTES

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL

DIVISIONAL AND ISLAND RAINFALL	Sept.			
	Rainfall, inches		Days on which Rain fell	
	1944	Ave.	1944	Ave.
North-eastern ..	9.06	8.30	13	13
Northern ..	6.07	5.83	12	11
West-central ..	10.71	10.57	16	16
Southern ..	8.01	6.49	12	11
The Island means ..	8.46	7.80	13	13

Date	Standard Time (Approx.)	Intensity	Notes, where, etc.
		None reported	

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND

The mean rainfall for the Island was 8.46 inches, or 0.66 inch above the 70-year average of 7.80 inches. The Divisional means were also above their normals.

The greatest fall for the month was 20.01 inches, at Barrett's Gap, in the North-eastern Division, and the heaviest fall in 24 hours was 4.80 inches, at Hardware Gap in the North-eastern Division, on the 3rd.

The mean number of raindays was 13, which corresponds with the average for the month. Cousin's Cove in the Northern Division, had the greatest number, 27, and the least number, 2, was recorded at Hampstead (St. Mary) in the North-eastern Division.

The mean rainfall in each parish is given below. The 10-year average is also shown for comparison—

Parish	Sept., 1944	10-Year Normal
	Inches	Inches
Kingston	4.07	3.88
St. Andrew	9.20	8.42
St. Thomas	15.20	9.59
Portland	7.30	18.90
St. Mary	5.20	6.40
St. Ann	6.63	5.59
Trelawny	10.76	6.26
St. James	5.56	6.31
Hanover	9.64	8.84
Westmoreland	8.84	9.62
St. Elizabeth	8.81	7.84
Manchester	10.55	9.28
Clarendon	9.59	7.38
St. Catherine	6.61	6.70

St. Thomas, with 15.20 inches, was highest; Trelawny, with 10.76 inches, was second, and Manchester with 10.55 inches, was third. Kingston, with 4.07 inches, was lowest.

TROPICAL DISTURBANCES IN SEPTEMBER

Three disturbances occurred during the month, of which two developed appreciably.

On the 8th, a disturbance was noted some 200 miles northeast of Guadeloupe. It moved NW'W and passed within 200 miles of Nassau on the night of the 12 to 13th, aircraft reconnaissance showing that it had winds of near hurricane force at the centre. From thence it moved northwest striking the U.S.A. coast at Cape Hatteras and then turning north and later northeast with diminished intensity.

On the night of the 18 to 19th a disturbance was observed to be developing about 200 miles W'N of Grand Cayman. It increased in intensity with winds up to 50 m.p.h., but winds of hurricane force were not observed at any time. Its track was peculiar in that it moved slowly northwest from its point of origin to the north-eastern tip of the Yucatan Peninsula and thence southwest towards the Tehuantepec Isthmus, with diminishing intensity.

On September 29th there was evidence of a new disturbance to the northwest of the Windward Islands, but there was little development and the disturbance had died out by the evening of October 2nd.

CITY OF KINGSTON

The total rainfall for the month of September was 3.13 inches, or .69 inch below the 70-year average of 3.82 inches. There were 15 raindays. The Upper Boundary of Kingston gauged 4.95 inches, with 16 raindays.

Distant rain was observed as follows—to north on 11 occasions, to northeast, northwest on 2 each and to south on 1 occasion.

Distant lightning was observed to north on 2 occasions and to east, northeast and eastnortheast on 1 occasion each.

Distant thunderstorm occurred to north on 14 occasions to northwest, southwest, northeast and south on 1 occasion.

A sharp local thunderstorm occurred on the 8th, at about noon.

Southeast rainsqualls occurred on the 8th, 15th, 16th, 17th and 21st.

The mean barometric pressure was 29.891 inches, or .002 inch above the 33-year normal of 29.889 inches. Highest barometer reading was 29.964 inches, on the 3rd at 3.00 p.m. and the lowest was 29.805 inches, on the 30th, at 3.00 p.m., corrected for diurnal variation.

The mean temperature based upon four observations per day, was 80.7°, or 1° above the 33-year normal of 80.6°. The highest maximum was 92.8°, on the 28th, and the lowest minimum was 71.7°, on the 18th, giving an extreme monthly range of 21.1°. On the other hand, the lowest maximum was 76.0°, on the 17th, and the highest minimum was 75.9°, on the 27th. The greatest range was 18.1°, on the 26th, and the least was 3.0°, on the 17th. The maximum temperature rose to 90° and above on 9 days, and the minimum was 70° and above throughout the month.

The mean daily miles of wind recorded was 131, or 17% below the 25-year normal of 169. The greatest number of miles of wind recorded in 24 hours was 188, on the 1st, and the least was 89, on the 5th. Greatest velocity, of short duration was 35 miles per hour, on the 17th, at about 9.30 a.m. Southeast wind prevailed after dusk on 10 occasions and was early on 3 occasions.

The mean relative humidity was 82%, which corresponds with the normal. Mean 7.00 a.m. was 83% and mean 3.00 p.m. 73%. Lowest 7.00 a.m. was 72%, on the 3rd, and lowest 3.00 p.m. 55%, on the 27th.

Overcast conditions prevailed in the forenoon on 15 occasions and in the afternoon on 24.

Total evaporation for the month was 5.95 inches, the 20-year normal being 5.31 inches.

Mean number of sunshine hours 6.0.

(Sgd.) S. H. HARVEY,
Meteorological Officer.

Weather Office,
Kingston,
20th October, 1944.



JAMAICA

WEATHER REPORT

FOR THE MONTH OF
OCTOBER, 1944

The barometric pressures at all the Stations, except the Hill Gardens and Hope Agricultural Station, are reduced to the standards of Kew 32", gravity at Lat. 15° and mean sea-level. The bar. at Hill Gardens and Hope Agricultural Station are reduced to the first two standards only. Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors. The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m. and entered as having fallen on the previous day..

The Standard of Time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

METEOROLOGICAL RESULTS

STATIONS	Elevation	Bar. Pressure		Temperature (F.)					Extreme Temperature (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range
	ft.	ins.	ins.	°	°	°	°	°	°				
Morant Point Light House	8	29.869	29.689	80.7	83.6	86.8	76.4	10.4	89.5	2	71.2	20	28.3
Kingston	24	29.861	29.811	75.9	83.7	87.5	74.0	13.5	91.8	6	69.7	30	22.1
Upper Kingston	110	29.856	29.811	75.6	84.5	88.4	73.5	14.9	93.0	6	69.4	30	23.6
Negril Point Light House	33	29.857	29.743	79.1	83.5	86.6	74.4	12.2	90.3	5	72.0	11	18.3
Montego Bay	33	..	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens	496	..	..	..	..	..	..	..	..	..	..	..	..
Hope Agricultural Station	668	29.137	29.074	74.0	80.9	85.9	70.7	15.2	91.0	5	68.1	30	22.9
Hill Gardens, Blue Mountains	4,900	25.166	25.120	61.4	64.7	68.9	58.8	10.1	76.4	6	55.5	29	20.9
Orange River Experimental Station	450	..	..	74.4	80.8	84.1	70.5	13.6	87.8	5	67.8	3*	20.0

STATIONS	Elevation	Dewpoint and Rel. Humidity				Rainfall	Wind per diem	Wind: direction from and speed (m.p.h.)				Amount of Cloud † Lower, Middle and Upper					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	75	85	77	81	14.05	299	E	14.0	E	14.0	5.5	0.6	1.5	5.0	0.8	2.0
Kingston	24	71	87	73	75	8.00	187	NE	6.4	SE	10.7	1.5	4.0	2.3	1.5	4.6	2.6
Upper Kingston	110	73	88	74	73	10.44	147	NE	5.7	SE	7.7	3.5	0.3	1.4	4.6	2.3	1.0
Negril Point Light House	33	73	83	73	73	13.52	208	ESE	7.4	E	10.7	3.8	0.0	2.2	6.5	0.0	1.4
Montego Bay	33	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens	496	..	..	..	..	31.31	..	..	..	..	..	..	..	..	..	..	..
Hope Agricultural Station	668	69	86	73	78	18.25	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	59	92	63	93	35.04	..	..	..	..	..	..	..	..	..	..	..
Orange River Experimental Station	450	73	95	74	81	11.76	..	..	..	..	..	..	..	..	..	..	..

Notes

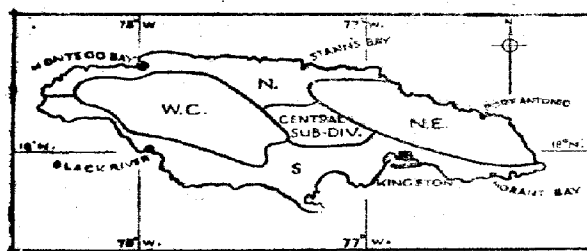
- (1) Kingston—As from 1st January, 1943, Temperatures are taken from thermometers located at Winchester Park.
 - (2) Hope Agricultural Station—On the 1st Jan., 1944, the Hope Gardens barometer was moved to a new site on Hope Agricultural Station, near to the thermometers and rain gauge. Observations are now taken at 7 a.m. and 3 p.m. Barometric pressure is at present not reduced to sea level.
 - (3) Montego Bay—Observations lapsed.
 - (4) Castleton Gardens—Temperature observations not sufficiently reliable for publication.
- * And on other days.
† Amounts are expressed in tenths of the sky.

THE RAINFALL

THE first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



October, 1944

STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	17.56	4.61	27	16	7.35
Ecclesdown	27.30	6.24	27	24	
Priestman's River					5.37
Bath	24.57	3.10	26	22	7.82
Barrett's Gap	39.81	7.00	10	22	
Millbank	39.22	1.30	27	20	28.86
Bowden Pen	40.98	8.00	27	20	
Moore Town	27.61	7.15	27	19	20.50
Port Antonio	26.62	6.52	27	20	14.51
Passey Garden					16.57
Fellowship	24.48	4.52	26	25	17.13
Johnson River Br.	18.08	3.25	11	15	15.02
Trinity Ville	17.52	3.35	11	12	19.87
Fruitful Vale	17.57	3.15	26	25	
Shrewsbury					12.51
Hope Bay	19.89	5.90	26	16	14.02
Cedar Valley	31.46	5.08	12	18	15.49
Swift River	30.24	5.05	27	20	
Lennox	21.45	6.40	25	12	12.28
Bybrook	22.50	2.50	27	27	
Darley	17.05	4.19	26	18	
Spring Garden	18.64	6.16	26	16	8.50
Hill Gardens	35.04	4.41	14	28	16.37
Buff Bay	17.94	7.03	26	14	9.62
Plum Valley	22.01	7.14	26	23	
Belvedere, Portland	20.22	4.00	25	24	8.45
Dover	18.27	4.08	26	20	8.25
Balcarres	23.94	3.00	2	26	18.53
Mt. Holstein	23.04	4.25	27	27	13.81
Cedar Hurst	23.98	3.68	14	26	19.16

formerly Windsor Castle, Portland

October, 1944

STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date		
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Hardware Gap	22.84	4.52	27	18	16.12
Mt. Pleasant					
Rose Hill	30.14	5.10	27	21	15.32
Mount Cressy	23.56	3.50	27	26	
Hermitage	20.30	3.80	14	24	15.20
Mount Airy	18.12	2.97	27	18	
Stony Hill	19.87	5.34	14	19	14.30
Golden Spring	15.95	2.69	15	17	
Brandon Hill	15.73	5.47	14	11	
Enfield	19.42	2.54	26	17	13.69
Agualta Vale	11.51	2.70	27	12	7.05
Castleton Gardens	31.31	4.20	14	20	15.59
Water Valley	10.60	1.85	13	16	7.28
Albany					8.07
Platfield	14.36	2.82	24	22	
Lawrence Tavern	17.72	4.30	14	15	12.18
Wey Hill	11.67	3.70	14	16	
Richmond, St. Mary	11.29	2.10	14	19	8.45
Orange River Experimental Station	11.76	2.07	14	23	
Quebec, St. Mary	11.34	3.97	26	15	10.09
Above Rocks	19.08	5.45	14	21	
Glengoffe	14.11	3.45	14	17	
Carew Castle	13.86	3.50	14	19	12.37
Hampstead, St. Mary	11.10	3.00	14	13	8.91
Windsor Castle, do.	10.41	1.50	14	21	12.76
Troja	12.69	2.00	14	17	10.55
Pear Tree Grove					10.95
Guy's Hill	10.97	1.55	14	21	9.59
Lucky Hill	7.96	1.71	1	19	9.05
Rio Hoe	8.74	2.20	7	15	9.15
Unity Valley	13.21	4.05	14	21	9.64
Moneague	14.85	5.75	13	15	9.32
Claremont	14.28	4.92	24	12	8.59
Averham Park	20.68	6.50	24	26	10.57
Albion	11.55	1.72	13	18	9.05
NORTHERN DIVISION (N)					
Port Maria	11.62	4.10	26	12	8.46
Wentworth					
Jacks River	10.25	2.75	26	16	
Oracabessa	9.04	2.30	26	12	11.01
Retreat	5.65	1.00	26	18	
Exchange	5.33	2.33	17	3	
Ocho Rios	4.74	1.50	12	7	6.26
Rockfield	10.55	1.62	27	21	7.55
Liberty Hill	5.11	1.45	1	16	5.95
St. Ann's Bay	5.40	1.63	1	12	6.94
Richmond Estate	6.89	1.53	19	14	6.81
Runaway Bay	4.23	1.00	26	14	4.13
Thatchfield	8.13	1.34	26	13	
Knapdale	6.13	0.95	5	16	9.41
Alexandria	6.25	1.35	15	12	8.20
Bel-Air	6.45	1.40	24	13	7.86
Brown's Town	4.39	3.00	24	15	8.62
Wilton	5.55	1.67	26	20	
Watt Town, St. Ann	10.33	2.00	15	13	7.29
Home Castle	7.33	2.40	24	10	7.18
Stewart Town	4.50	0.97		15	
Arcadia	5.10	2.25	26	10	6.45
Vale Royal					6.62
Harmony Hall	6.86	3.03	26	13	5.35
Duncans	6.24	3.12	26	14	6.19
Clark's Town	6.01	1.95	26	12	9.04
Hyde and Gibraltar	5.92	1.80	26	11	
Falmouth	9.51	2.74	23	12	5.66

formerly Gibraltar

October, 1944						October, 1944					
STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	6.48	1.80	26	10		Wait-a-bit	30.30	5.05	13	21	
Windsor Lodge	5.89	0.98	26	16		Christiana	23.41	4.37	13	21	11.13
Latium	4.00	1.25	27	13		Holmwood	22.14	4.80	13	19	
Success	5.61	2.10	26	11	6.26	Edge Hill					
Cornwall	5.12	1.35	26	10		Kendal, Manchester	24.79	6.05	14	26	13.27
Rose Hall	5.27	0.92	28	11	6.71	Mereworth	36.40	8.13	13	21	16.41
Cinnamon Hill	3.68	1.05	26	15	6.81	Mandeville	26.80	7.16	13	21	14.72
Tryall	4.85	1.05	27	12	6.36	Ulster Spring	10.26	1.45	25	15	11.72
Running Gut	6.11	1.10	13	10	5.94	Greenvale	16.62	2.60	13	17	10.98
Spring Estate	4.95	0.85	27	12	6.33	Albert Town	13.71	2.66	24	12	11.79
Friendship	6.89	1.52	13	14	10.24	Craig Head					
Irwin	5.05	1.25	26	13	6.86	Warsop	16.71	2.48	21	19	15.43
Retirement	5.80	1.17	27	17	9.54	Troy	17.30	3.00	2	15	15.89
Montego Bay	3.77	0.83	13	11	7.68	Wallingford	24.52	4.57	1	23	14.23
Anchovy	3.62	1.39	13	15	6.94	Balaclava	23.75	3.27	15	20	12.46
Hopewell	4.15	1.21	13	12		Braes River	15.33	2.50	14	18	
Blue Hole	7.71	1.83	13	12	10.63	Wakefield	5.59	1.25	28	8	9.25
Cascade	9.63	2.95	9	12		Appleton	23.03	2.52	13	23	13.59
Lucea	7.21	2.28	13	15	8.60	Aberdeen	18.42	3.02	13	22	
Haughton Court	8.16	1.90	15	6	7.54	Accompong	17.80	1.60	14	17	
Kendal, Hanover	18.30	5.66	13	14		Maggotty	22.61	2.90	13	21	13.88
Cousin's Cove	9.33	1.87	4	23	10.78	Lacovia	14.93	2.10	3	15	10.98
Blenheim	12.19	4.85	13	13		Mulgrave	27.69	4.20	13	22	
Green River	15.51	5.00	16	17		Holland					
Green Island	12.34	5.98	13	16	8.98	Ipswich	21.99	2.84	3	23	
Haughton Hall	18.50	2.86	13	18	8.64	Ginger Hill	23.43	4.60	13	21	
CENTRAL SUB-DIVISION						Kempshot	7.62	2.50	25	6	9.97
Knollis	15.24	4.00	14	16	11.41	Mocho, St. James					19.02
Sligoville	18.57	4.33	14	25	13.40	Catadupa	14.52	2.74	15	18	14.92
Rio Magno	11.09	1.83	14	14	10.40	Cambridge	10.37	2.08	24	14	13.28
Riversdale	16.15	2.50	13	13	10.52	New Market	22.08	5.05	13	21	13.84
Headworks, R.C.C.	19.54	2.40	14	22	9.35	Springfield	31.13	6.00	13	19	
Bog Walk	19.56	3.20	12	13	11.48	Seaford Town	18.26	3.03	13	18	
Linstead	13.62	3.47	14	19	9.67	Petersville	23.19	6.32	13	22	11.41
Ewarton	12.43	3.04	14	13		Kew Park	15.96	2.08	13	16	12.27
Greenock	13.14	3.50	15	14		The Bog	25.11	4.73	13	22	14.10
Cave Valley	15.07	4.95	15	17	9.47	Exeter	31.65	4.50	13	24	
Guanaboa Vale	15.06	3.00	12	15	11.99	Bethel Town	15.26	3.15	13	16	15.42
Point Hill					14.91	Copse					10.07
Brown's Hall					12.12	Burnt Ground	6.42	1.77	13	13	12.59
Bellas Gate	21.48	3.23	2	19	12.95	Haughton Grove	12.61	3.82	2	15	11.82
Rock River	9.16	3.58	13	16	13.84	Knockalva	11.52	2.80	2	17	
Croft's Hill	15.38	3.40	13	12	11.71	Darliston	24.34	4.26	13	20	15.48
Kellitts	2.03	2.50	15	17		Whithorn	19.51	3.00	13	15	12.99
Suttons	25.70	5.07	15	20	13.87	Water Works Farm	20.20	4.50	13	19	11.85
Colonel's Ridge	20.59	5.56	14	17		Williamsfield, Wld.	7.02	1.40	3	20	
Tulloch	16.22	2.77	13	20		Petersfield	17.33	3.12	13	18	
Chapelton	22.11	4.93	15	16	12.21	Baulk	16.21	3.93	22	17	
Crooked River	19.94	3.53	16	16	11.29	Askenish	11.76	5.10	13	10	15.46
James Hill	16.97	6.25	13	13		Grange Hill	18.53	4.58	13	17	12.97
Frankfield	22.88	4.33	15	19	11.83	Mount Eagle					
WEST-CENTRAL DIVISION (W.C.)						King's Vale	3.64	0.90	13	11	8.65
Mocho, Clarendon	26.09	4.95	15	20	1.37	SOUTHERN DIVISION, (S.)					
Thompson Town	28.52	4.77	13	19		Morant Point L. H.	14.03	2.70	27	19	11.71
Porus	31.08	5.60	15	18		Golden Grove	14.48	3.25	27	18	
Boro-bridge	13.05	3.05	15	16		Pleasant Hill	15.38	3.60	27	21	14.16
Spaldings	25.59	5.60	15	18	13.27	East Prospect	13.10	2.46	11	18	13.92
Williamsfield	23.93	5.83	13	17	13.16	Morant Bay	10.93	2.22	11	13	13.06
Shooter's Hill	22.79			20	12.00	Lloyds	11.38	5.23	12	15	
						Yallahs	12.28	5.18	11	9	13.41
						Easington	17.65	3.00	12	10	12.17

STATIONS	October, 1944					STATIONS	October, 1944				
	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average		Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Guava Ridge ..	25.07	7.08	16	14	17.13	Cottage ..	11.38	2.52	11	13	10.55
Harbour Head ..	7.16	1.23	15	9		Pennants ..	20.24	3.54	14	23	
Dallas Castle ..	17.63	3.50	14	20	16.15	Belle Plain ..	27.49	6.80	14	14	15.19
Gordon Town ..	25.83	4.10	14	14	13.04	Milk River ..	14.60	3.70	11	11	8.64
Irish Town ..	21.83	3.00	17	16	12.13	Retrieve ..	24.84	5.02	13	11	9.63
Hope Agricultural Stn...	18.25	4.44	14	24	10.00	Stone's Hope ..	23.92	5.90	13	14	12.37
Bamboo Avenue ..	16.60	4.80	14	19		Newport, Man. ..	22.22	5.95	13	14	12.14
Plumb Point L.H. ..	9.40	2.50	14	7	7.29	Alligator Pond ..	18.37	4.00	14	13	7.73
King's House Gar. ..	16.09	3.45	14	20	8.48	Myersville ..	15.10	4.00	13	17	
Up-Park Camp ..	15.17	5.06	14	19		Goshen ..	12.71	2.50	21	10	
Cavaliers ..	10.69	2.20	14	18		Bull Savannah ..	18.22	3.25	14	13	
St. George's College ..	10.80	2.69	14	13		Munro ..	28.55	7.82	13	20	10.25
Upper Kingston ..	10.44	2.49	14	16	7.43	Windsor, St. Eliz. ..	23.12	5.05	13	23	11.35
Parade Garden ..	9.23	1.62	14	13		Torrington ..	24.32	7.25	13	15	10.12
Kingston P.W.O. ..	8.00	1.85	14	12	7.06	Santa Cruz ..	23.03	3.08	2	21	12.13
Shortwood College ..	17.47	5.22	14	7		Hounslow ..	19.98	5.00	13	14	
Constant Spring ..	22.63	5.15	14	21		Pedro Plains ..	13.58	4.55	13	11	5.82
Halfway Tree ..	14.78	4.62	14	10	8.33	Mountainside ..	18.66	4.00	5	13	8.34
Clifton Pen ..	14.50	3.78	14	15	7.39	Fort Charles ..	11.45	2.00	27	7	5.70
Twickenham Pen ..	12.15	2.70	14	13		Black River ..	15.76	3.00	5	17	8.14
Red Hills ..	23.25	3.05	15	21	13.34	Mt. Charles ..	19.85	3.53	13	20	
Quarantine Station ..	10.88	3.00	14	12	6.21	Mount Edgecombe ..	19.13	4.46	13	23	10.07
Hematine ..	13.07	2.50	11	16	7.50	Bluefields ..	18.68	6.15	13	16	
Spanish Town ..	15.24	2.53	11	19	8.57	Sav.-la-Mar ..	14.64	5.21	13	17	8.55
Hog Hole, St. Cath. ..	17.84	3.07	12	20	9.34	Little London ..	22.91	4.98	13	17	11.12
Grove Farm ..	11.22	2.03	11	11		Retreat (WestInd.) ..	20.70	5.05	13	21	9.91
Old Harbour ..	10.37	2.32	11	9	9.94	Sheffield ..	18.56	3.45	13	16	
May Pen ..	15.71	2.65	15	18	10.20	Negril Point L.H. ..	13.52	6.62	13	16	8.18
Glen Muir ..	19.90	3.00	10	18	10.93						

NOTES

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL

DIVISIONAL AND ISLAND RAINFALL	October			
	Rainfall, inches		Days on which Rain fell	
	1944	Ave.	1944	Ave.
North-eastern ..	19.19	13.13	19	15
Northern ..	6.98	8.11	14	13
West-Central ..	18.57	12.37	17	17
Southern ..	16.97	9.95	15	13
The Island means	15.43	10.89	16	15

SHOCKS OF EARTHQUAKE IN OCTOBER, 1944

Date	Standard Time (Approx.)	Intensity	Notes, where, etc.
NONE REPORTED			

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND

The mean rainfall for the Island was 15.43 inches, or 4.56 inches above the 70-year average of 10.87 inches. The Divisional Means were also above their normals except in the Northern Division.

The greatest fall for the month was 40.98 inches, at Bowden Pen, in the North-eastern Division, and the heaviest fall in 24 hours was 7.82 inches, at Munro, in the Southern Division, on the 13th.

The mean number of rain days was 16, the average for the month being 15. Hill Gardens, in the North-eastern Division, had the greatest number, 28, and the least number, 3, was recorded at Exchange in the Northern Division.

The mean rainfall in each parish is given below. The 10-year average is also shown for comparison:—

Parish	October 1944	10-year Normal
	Inches	Inches
Kingston	9.57	6.83
St. Andrew	19.17	12.11
St. Thomas	20.12	14.56
Portland	23.22	13.58
St. Mary	12.94	9.17
St. Ann	9.22	7.68
Trelawny	10.62	8.74
St. James	6.09	9.34
Hanover	10.56	11.70
Westmoreland	19.04	12.17
St. Elizabeth	20.42	12.17
Manchester	24.41	14.24
Clarendon	20.03	12.72
St. Catherine	15.05	10.73

Manchester, with 24.41 inches, was highest; Portland with 23.22 inches, was second, and St. Elizabeth with 20.42 inches, was third. St. James, with 6.09 inches, was lowest.

DISTURBANCES DURING OCTOBER

There was only one disturbance in the Caribbean during the month. This began to develop on the 13th about 250 miles west-southwest of Kingston and moved very slowly north with increasing intensity. It remained almost stationary for 24 hours in a position about 130 miles west of Negril, and then commenced to move west-northwest, passing about 30 miles south of Grand Cayman on the evening of the 15th, with winds at Cayman of 94 miles per hour and gusts well over 100 miles per hour, during the night of the 15-16th. At this time the hurricane winds appeared to cover an area of 50 to 100 miles radius from the centre. The storm continued its slow westward drift until the night of the 16-17th when in a position about 120 miles west of Grand Cayman it commenced to move north with slightly increased velocity. It continued this northerly movement across the Isle of Pines and Cuba, passing just west of Havana. It then turned northeast for a short period, passing over Key West, and then turned north again into Florida, and later northeast, traversing the entire Atlantic seaboard of the U.S.A. This storm caused much damage in Grand Cayman and in all land areas which it traversed, including areas as far north as Long Island, U.S.A. Jamaica did not suffer any extremely strong winds, the maximum average winds at Negril being of the order of 20-25 knots with winds of 35-45 knots in squalls of brief duration. However, the seas round the west coast of Jamaica were very much disturbed on the 15th and 16th, the disturbance being much greater than would be expected from the wind velocities recorded. It would seem that the reason for this excessive disturbance was the fact that the hurricane moved so very slowly during the first two days of its existence.

CITY OF KINGSTON

The total rainfall for the month of October was 8.00 inches, or .94 inch above the 70-year average of 7.06 inches. There were 12 rain days. The upper boundary of Kingston gauged 10.44 inches, with 16 rain days.

Distant rain was observed as follows:—to north on 3, to northwest and east 2 each, and to west-southwest and northeast on 1 occasion each.

Distant thunderstorm occurred to north on 3 occasions, to northeast and south on 2 each, and to northwest and west-southwest on 1 occasion each. Sharp local thunderstorm occurred on the 3rd, 6th and 7th. Rainfall with strong southeast winds occurred on 14th.

The mean barometric pressure was 29.848 inches, or .018 inch below the 33-year normal of 29.866 inches. Highest barometer reading was 29.939 inches on the 6th at 7 a.m., and the lowest was 29.748 inches on the 14th at 7 a.m. corrected for diurnal variation.

The mean temperature based upon four observations per day was 79.8° or .4° above the 33-year normal of 79.4°. The highest maximum was 91.8° on the 6th, and the lowest minimum was 69.7° on the 30th giving an extreme monthly range of 22.1°. On the other hand, the lowest maximum was 81.9° on the 11th, and the highest minimum was 77.3° on the 17th. The greatest range was 25.0° on the 1st and the least was 7.6° on the 11th. The maximum temperature rose to 90° and above on 5 days.

The mean daily miles of wind recorded was 187 or 21% above the 25-year normal of 155. The greatest number of miles of wind recorded in 24 hours was 524 on the 14th, and the least was 95 on the 19th. Greatest velocity of short duration was 36 miles per hour on the 13th at about 1.45 p.m. Southeast wind continued after dark on 4 occasions and commenced early on 3 occasions.

The mean relative humidity was 85% or 1% above the normal of 84%. Mean 7 a.m. was 87 and mean 3 p.m., 75. Lowest 7 a.m. 77 on the 6th and lowest 3 p.m. 61 on the 30th.

Overcast conditions prevailed in the forenoon on 12 occasions, and in the afternoon on 16 occasions.

Total evaporation for the month was 5.76 inches, the 20-year normal being 4.26 inches. Mean sunshine hours for the month 6.8

CORRIGENDA:

The following correction should be made on page 1 of the Monthly Weather Report for August, 1944, No. 827.
Date of lowest minimum at Hill Gardens should read 17.

Note.—The station names GARLANDS, BROKENHURST, and BARRETT HALL, which have appeared in previous Monthly Weather Reports, have been omitted from this issue as readings are no longer made.

The station name WINDSOR CASTLE, PORTLAND, in the N.E. Division has been changed to DOVER, the gauge having been moved to the latter place (a distance of about 1 mile) at some time during the last few years. The long-period average for Windsor Castle is being used for the new station, which is in St. Mary.

The station name GIBRALTAR has been changed to HYDE AND GIBRALTAR, the gauge being situated at the Hyde and Gibraltar Land Settlement, and being read by an Officer of the Lands Department.

(Sgd.) S. H. HARVEY,
Meteorological Officer.

Weather Office, Kingston.
20th November, 1944.



JAMAICA WEATHER REPORT

FOR THE MONTH OF
NOVEMBER, 1944

The barometric pressures at all the Stations, except the Hill Gardens and Hope Agricultural Station are reduced to the standards of Kew 32", gravity at Lat. 45" and mean sea-level. The bar. at Hill Gardens and Hope Agricultural Station are reduced to the first two standards only. Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors. The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The standard of time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

METEOROLOGICAL RESULTS

STATIONS	Elevation	Bar. Pressure		Temperature (F.)					Extreme Temperature (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range
	ft.	ins.	ins.	"	"	"	"	"	"	"	"	"	"
Morant Point Light House ..	8	29.927	29.872	79.4	81.5	83.9	76.5	7.4	85.6	9	71.0	30	14.6
Kingston ..	24	29.912	29.856	71.7	84.2	85.9	70.4	16.5	92.0	26*	64.5	23	27.5
Upper Kingston ..	110	29.906	29.856	71.4	84.9	87.6	69.5	18.1	92.4	9	63.2	20	29.2
Negril Point Light House ..	33	29.921	29.852	75.6	83.5	85.7	70.0	15.7	90.0	27	64.6	18	25.4
Montego Bay ..	33	..	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens ..	496	..	..	..	..	..	..	..	..	..	..	..	..
Hope Agricultural Station ..	668	29.186	29.130	70.4	82.2	86.2	66.8	19.4	90.5	9	60.5	22	30.0
Hill Gardens, Blue Mountains	4,900	25.193	25.158	59.3	63.4	68.1	55.7	12.4	73.0	27	53.3	17*	19.7
Orange River Experimental Station ..	450	..	..	72.5	78.8	81.6	67.7	13.9	85.2	10	59.0	18	26.2

STATIONS	Elevation	Dewpoint and Rel. Humidity				Rainfall	Wind per diem	Wind: direction from and Speed (m.p.h.)				Amount of Cloud † Lower, Middle and Upper					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°	%	°	%	Ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House ..	8	72	80	73	77	4.48	341	NE	13.0	NE	12.0	4.7	0.8	1.1	3.9	1.1	0.4
Kingston ..	24	66	82	71	64	1.22	131	N	4.6	SSE	..	0.9	2.5	2.4	0.7	4.0	1.5
Upper Kingston ..	110	65	83	69	61	1.16	123	N	5.1	SSE	..	0.5	1.5	1.7	1.8	2.9	0.6
Negril Point Light House ..	33	68	78	68	62	0.51	149	NE	..	N	10.5	1.1	1.1	0.9	3.3	0.2	0.8
Montego Bay ..	33	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens ..	496	..	..	..	..	18.05	..	..	..	..	..	..	..	..	..	..	..
Hope Agricultural Station ..	668	63	79	70	67	1.56	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns. ..	4,900	52	78	59	87	15.20	..	..	..	..	..	..	..	..	..	..	..
Orange River Experimental Station ..	450	70	91	73	80	5.74	..	..	..	..	..	..	..	..	..	..	..

NOTES

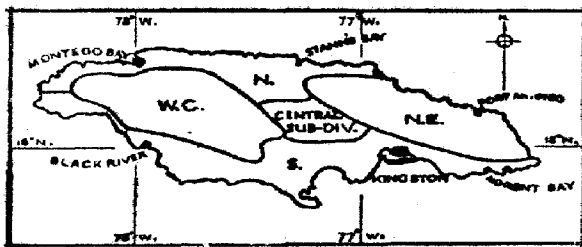
- (1) Kingston—As from 1st January, 1943, Temperatures are taken from thermometers located at Winchester Park.
 - (2) Hope Agricultural Station—On the 1st Jan., 1941, the Hope Gardens barometer was removed to a new site on Hope Agricultural Station near to the thermometer and rain gauge. Observations are now taken at 7 a.m. and 3 p.m. Barometric pressure is at present not reduced to sea level.
 - (3) Montego Bay—Observations lapsed.
 - (4) Castleton Gardens—Temperature observations not sufficiently reliable for publication.
- * And on other days.
† Amounts are expressed in tenths of the sky.

THE RAINFALL

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



STATIONS	Nov., 1944				
	Total Fall	Greatest fall in 24 hours	Days on which 0.01 or more fell		Average
	Amount	Date			
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	6.52	2.35	11	8	15.47
Ecclesdown	9.69	3.02	8	7	
Priestman's River	6.63	3.05	11	11	14.83
Bath	8.10	2.60	14	12	15.26
Barrett's Gap	18.56	3.30	7	12	
Millbank	26.73	6.30	7	12	47.98
Bowden Pen	31.06	7.50	7	15	
Moore Town	22.76	4.54	8	14	35.81
Port Antonio	6.98	2.20	8	12	17.85
Passley Garden					20.79
Fellowship	11.58	3.54	7	13	26.70
Johnson River Br.	4.02	1.65	11	6	9.69
Trinity Ville	4.15	2.00	11	5	11.43
Fruitful Vale	16.70	4.30	7	20	
Shrewsbury	21.84	11.10	7	13	29.72
Hope Bay	8.32	2.50	6	8	24.38
Cedar Valley	9.47	5.80	7	7	12.96
Swift River	31.36	18.70	7	10	
Lennox	12.25	1.90	7	11	22.34
Bybrook	24.41	10.19	7	18	
Darley	8.10	3.43	7	12	
Spring Garden	6.57	2.60	11	8	16.75
Hill Gardens	15.20	6.46	7	15	16.37
Buff Bay	6.07	2.30	7	9	16.52
Plum Valley	16.64	7.74	7	11	
Belvedere, Portland	16.55	4.92	7	16	18.75
Dover	6.72	1.40	8	13	17.09
Balcarras	18.59	5.32	7	11	42.43
Mt. Holstein	23.95	7.10	7	17	31.81
Cedar Hurst	17.10	6.53	7	18	29.36

STATIONS	Nov., 1944				
	Total Fall	Greatest fall in 24 hours	Days on which 0.01 or more fell		Average
	Amount	Date			
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Hardware Gap	14.35	4.95	7	11	19.39
Mount Pleasant					
Rose Hill	8.84	3.02	11	13	14.93
Mount Cressy	19.40	4.60	14	19	
Hermitage	3.84	1.70	11	13	12.43
Mount Airy	14.35	4.95	7	11	
Stony Hill	3.63	1.60	16	7	8.61
Golden Spring	2.94	0.96	14	9	
Brandon Hill	11.82	8.37	7	4	
Enfield	21.30	7.06	7	10	27.01
Agualta Vale	5.30	2.00	7	9	12.85
Castleton Gardens	18.05	7.21	7	11	18.60
Water Valley					11.35
Albany					11.77
Plattfield	7.79	4.00	7	10	
Lawrence Tavern	6.60	3.32	14	4	10.04
Wey Hill	8.32	3.90	7	8	
Richmond, St. Mary	5.55	2.10	7	12	12.45
Orange River Experimental Station	5.74	2.22	7	15	
Quebec, St. Mary	6.51	4.40	8	11	10.99
Above Rocks	5.17	2.20	14	8	
Glengoffe	7.53	4.54	7	7	
Carew Castle	6.44	3.03	7	11	10.54
Hampstead, St. Mary	5.20	2.00	7	6	16.22
Windsor Castle, do.	7.60	2.10	7	14	17.30
Troja	8.58	3.20	7	11	12.81
Paar Tree Grove					13.04
Guy's Hill	7.23	2.04	7	14	13.39
Lucky Hill	7.98	2.05	7	16	15.14
Rio Hoe	4.19	1.62	7	11	11.04
Unity Valley	5.53	2.59	7	11	10.85
Moneague	6.44	3.10	7	9	11.68
Claremont	6.80	3.23	7	13	12.17
Averham Park	15.05	6.10	8	23	
Albion	6.21	3.05	7	11	10.96
NORTHERN DIVISION (N)					
Port Maria	6.45	3.60	8	11	11.39
Wentworth					
Jacks River	7.66	3.90	8	13	
Oracabessa	6.79	3.05	8	7	13.99
Retreat	2.89	0.87	16	9	
Exchange	3.08	1.75	9	5	
Ocho Rios	5.22	1.78	7	8	9.91
Rockfield	9.32	2.82	7	21	14.86
Liberty Hill	5.33	2.20	3	8	9.92
St. Ann's Bay	6.63	2.26	8	7	9.80
Richmond Estate	7.20	3.04	8	9	9.23
Runaway Bay	4.12	1.52	9	6	5.18
Thatchfield	16.83	6.65	7	14	
Knapdale	11.58	4.90	7	10	15.69
Alexandria	1.40	0.25	16	9	6.41
Bel-Air	9.40	2.10	9	10	10.56
Brown's Town	9.40	4.95	7	9	11.72
Wilton	10.39	3.10	10	11	
Watt Town, St. Ann	1.62	0.50	8	6	5.57
Home Castle	9.30	3.75	10	6	9.13
Stewart Town	3.38	1.53	10	11	
Arcadia	4.05	1.25	10	10	8.16
Vale Royal					8.14
Harmony Hall	3.91	0.91	10	11	6.15
Duncans	4.21	0.87	10	11	8.09
Clark's Town	3.01	1.15	12	9	10.61
Hyde and Gibraltar	2.49	1.10	7	5	
Falmouth	2.92	1.12	11	5	5.25

THIS IS LAST READING
FROM MEREWORTH

3

STATIONS	Nov., 1944					STATIONS	Nov., 1944				
	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average		Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	3.62	0.94	10	12	..	Wait-a-bit	1.38	0.90	9	6	..
Windsor Lodge	3.76	1.87	10	10	..	Christiana	4.22	2.93	9	6	6.77
Latium	3.11	1.03	10	8	..	Holmwood	..	..	..	..	..
Success	3.11	0.85	8	9	5.74	Edge Hill	..	..	..	..	..
Cornwall	4.65	1.05	10	9	..	Kendal, Manchester	2.60	2.60	11	1	6.64
Rose Hall	4.56	1.40	8	10	6.20	Mereworth	3.58	3.35	11	4	10.91
Cinnamon Hill	4.18	1.02	8	12	6.12	Mandeville	2.77	2.60	11	3	7.41
Tryall	5.55	0.95	8	11	5.30	Ulster Spring	1.86	0.88	9	6	7.67
Running Gut	4.81	1.88	8	10	5.67	Greenvale	2.55	1.60	11	3	8.11
Spring Estate	4.60	1.10	8	10	5.74	Albert Town	1.70	1.00	9	3	8.11
Friendship	3.87	1.15	9	8	8.64	Craig Head	..	..	..	..	..
Irwin	3.30	0.64	12	9	5.32	Warsop	0.60	0.40	9	2	9.62
Retirement	2.77	0.91	9	9	8.27	Troy	2.80	1.10	9	3	7.41
Montego Bay	2.43	.92	7	8	5.94	Wallingford	5.52	3.52	11	7	7.14
Anchovy	1.18	0.26	18	9	3.76	Balaclava	3.74	1.81	11	3	5.97
Hopewell	1.64	0.92	10	5	..	Braes River	2.65	2.37	11	2	..
Blue Hole	1.95	1.65	10	2	8.86	Wakefield	3.41	1.20	7	5	8.40
Cascade	4.07	2.75	10	4	..	Appleton	3.86	1.69	9	4	6.58
Lucea	3.62	2.89	10	6	6.14	Aberdeen	3.02	1.60	11	14	..
Haughton Court	3.86	2.44	11	3	4.72	Accompong	4.60	1.63	8	6	..
Kendal—Hanover	1.17	0.82	10	3	..	Maggotty	4.56	2.40	11	3	6.91
Cousins Cove	1.43	0.69	10	7	7.10	Lacovia	4.08	1.38	11	7	5.21
Blenheim	2.45	1.05	10	3	..	Mulgrave	5.14	2.63	8	4	..
Green River	4.00	2.50	8	3	..	Holland	..	..	..	..	..
Green Island	1.88	1.06	10	3	5.35	Ipswich	3.95	1.60	8	5	..
Haughton Hall	3.04	1.26	10	4	4.56	Ginger Hill	4.33	1.46	8	5	..
CENTRAL SUB-DIVISION						Kempshot	4.52	2.00	10	4	7.39
Knollis	1.92	0.69	9	6	8.11	Mocho, St. James	..	..	..	..	10.55
Sligoville	3.89	1.26	14	10	9.31	Catadupa	2.05	1.03	9	3	7.77
Rio Magno	4.29	2.59	7	5	10.53	Cambridge	1.35	0.44	16	..	5.86
Riversdale	5.90	2.20	7	6	9.88	New Market	1.39	0.76	11	5	6.91
Headworks, R.C.C.	1.69	0.58	16	4	5.43	Springfield	2.20	0.70	8	4	..
Bog Walk	1.13	0.98	9	2	5.88	Seaford Town	5.38	2.14	11	5	..
Linstead	3.41	1.58	7	9	6.68	Petersville	2.02	1.02	9	3	6.42
Ewarton	3.00	0.50	11	9	..	Kew Park	2.77	.78	8	5	5.78
Greenock	..	..	..	..	..	The Bog	2.43	0.90	11	5	6.47
Cave Valley	2.70	0.95	8	4	5.29	Exeter	8.38	2.60	11	6	..
Guansboa Vale	..	..	..	..	6.33	Bethel Town	3.92	1.92	8	3	7.56
Point Hill	3.25	1.20	9	5	9.99	Copse	..	..	..	..	5.17
Brown's Hall	0.46	0.21	10	3	10.45	Burnt Ground	..	..	..	..	5.86
Bellas Gate	1.89	0.89	16	4	4.88	Haughton Grove	2.35	1.30	10	3	5.34
Rock River	1.48	0.75	11	5	7.37	Knockalva	..	..	..	..	..
Crofts Hill	1.77	0.48	16	6	7.10	Darliston	8.22	2.61	8	5	7.55
Kellitss	2.23	1.08	9	7	..	Whithorn	4.38	3.15	8	3	5.66
Suttons	2.35	1.00	16	3	6.84	Water Works Farm	3.35	1.30	8	5	5.06
Colonel's Ridge	2.92	1.20	9	5	..	Williamsfield, Wld.	1.90	0.90	8	4	..
Chapelton	3.99	1.91	11	6	5.22	Petersfield	2.35	1.17	8	3	..
Crooked River	2.71	1.76	9	6	5.65	Baulk	2.90	1.32	8	4	..
James Hill	2.98	1.30	13	5	..	Askenish	3.75	3.50	10	2	6.79
Frankfield	3.47	2.11	9	5	6.00	Grange Hill	4.03	1.70	10	7	5.74
WEST-CENTRAL DIVISION (W.C.)						Mount Eagle	..	..	..	..	..
Mocho, Clarendon	0.25	0.25	16	1	6.02	King's Vale	1.28	0.95	10	2	4.86
Thompson Town	3.32	1.86	11	5	..	SOUTHERN DIVISION, (S.)					
Porus	1.22	1.22	11	1	..	Morant Point L. H.	4.48	2.12	7	8	8.41
Borobridge	1.75	1.00	12	7	..	Golden Grove	6.70	2.60	7	6	..
Spaldings	2.72	1.60	11	5	7.75	Pleasant Hill	7.15	3.05	7	9	10.69
Williamsfield	1.86	1.86	11	1	8.19	East Prospect	4.45	1.87	7	5	10.23
Shooter's Hill	3.10	..	..	3	6.85	Morant Bay	3.81	1.28	8	5	7.75
						Lloyds	3.12	1.33	11	7	..
						Yallahs	1.63	1.00	14	3	7.48
						Easington	1.97	0.67	10	5	6.08

STATIONS	Nov., 1944					STATIONS	Nov., 1944				
	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average		Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
Guava Ridge ..	4.74	1.29	12	5	14.23	Cottage ..	0.51	0.30	28	2	6.88
Harbour Head ..	1.60	0.80	16	4	..	Pennants ..	4.65	1.00	19	13	..
Dallas Castle ..	1.65	0.49	7	5	10.66	Belle Plain ..	2.76	2.46	11	3	8.93
Gordon Town ..	3.20	2.30	11	4	9.89	Milk River ..	2.33	1.68	11	3	5.17
Irish Town ..	2.65	0.80	11	8	10.50	Retrieve ..	1.95	1.84	11	3	4.96
Hope Agricultural Stn...	1.56	1.27	11	5	6.27	Stone's Hope ..	1.28	1.00	11	3	6.00
Bamboo Avenue ..	1.78	1.20	11	4	..	Newport, Man. ..	2.46	1.98	11	3	6.99
Plumb Point L.H. ..	0.51	.24	12	4	2.90	Alligator Pond ..	2.35	1.10	4	3	3.83
King's House Gar. ..	2.70	.85	16	4	5.17	Myersville ..	4.11	1.02	13	6	..
Up-Park Camp ..	1.07	.81	12	5	..	Goshen ..	2.73	1.45	10	5	..
Cavaliers ..	1.02	0.88	11	5	..	Bull Savannah ..	2.96	0.72	16	6	..
St. George's College ..	1.15	0.70	11	6	..	Munro ..	4.84	1.21	11	14	5.67
Upper Kingston ..	1.16	0.85	11	5	4.42	Windsor, St. Eliz. ..	4.40	1.66	11	8	7.76
Parade Garden ..	1.00	..	..	..	..	Torrington ..	3.03	1.62	11	4	6.67
Kingston P.W.O. ..	1.22	0.84	11	5	3.26	Santa Cruz ..	3.92	1.50	11	6	6.18
Shortwood College ..	1.88	1.30	11	5	..	Hounslow ..	4.38	1.62	15	6	..
Constant Spring ..	2.50	1.75	11	9	..	Pedro Plains ..	1.90	0.51	16	7	4.21
Halfway Tree ..	2.44	1.97	11	3	4.61	Mountainside ..	6.22	1.43	15	9	5.59
Clifton Pen ..	1.12	0.90	11	5	5.46	Fort Charles ..	1.92	1.00	15	3	3.97
Twickenham Pen ..	1.10	0.70	11	4	..	Black River ..	1.45	1.00	15	3	4.37
Red Hills ..	1.40	0.10	29	2	9.17	Mt. Charles ..	5.27	3.30	11	5	..
Quarantine Station ..	..	..	..	..	3.71	Mount Edgecombe ..	1.64	0.81	9	8	5.11
Hematine ..	..	..	..	..	4.87	Bluefields ..	1.86	1.86	9	1	..
Spanish Town ..	1.62	0.55	11	4	4.29	Sav.-la-Mar ..	2.13	1.85	8	4	3.89
Hog Hole, St. Cath. ..	1.52	0.69	7	4	5.30	Little London ..	0.53	0.28	8	2	4.58
Grove Farm ..	0.81	0.50	7	3	..	Retreat (WestInd.) ..	1.58	0.52	9	5	4.61
Old Harbour ..	..	..	..	..	5.17	Sheffield ..	5.49	1.05	11	5	..
May Pen ..	0.22	0.22	12	1	5.02	Negril Point L.H. ..	0.51	0.40	11	4	3.90
Glen Muir ..	0.45	0.45	11	1	6.85						

NOTES

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL

DIVISIONAL AND ISLAND RAINFALL	November			
	Rainfall, inches		Days on which Rain fell	
	1944	Ave.	1944	Ave.
North-eastern ..	10.15	17.91	11	16
Northern ..	4.01	7.03	7	11
West-central ..	3.05	6.63	4	11
Southern ..	2.35	5.69	5	9
The Island means ..	4.89	9.31	7	12

SHOCKS OF EARTHQUAKE IN NOV., 1944

Date	Standard Time (Approx.)	Intensity	Notes, where, etc.
		None reported	

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND

The mean rainfall for the Island was 4.89 inches, or 4.42 inches below the 70-year average of 9.31 inches. The Divisional Means were also below their normals.

The greatest fall for the month was 31.36 inches, at Swift River in the Northeastern Division, and the heaviest fall in 24 hours was 18.70 inches, at the same station, on the 7th.

The mean number of rain days was 7, the average for the month being 12. Avera Park, in the Northeastern Division, had the greatest number, 23; and the least number, 1, was recorded at Mocho (Clarendon) Porus, Williamsfield and Kendal, in the West-central Division, and at May Pen, Glen Muir and Bluefields, in the Southern Division.

The mean rainfall in each parish is given below. The 10-year average is also shewn for comparison:—

Parish	November 1944	10-year Normal
	Inches	Inches
Kingston	1.01	3.10
St. Andrew	5.13	11.56
St. Thomas	7.76	9.68
Portland	15.21	26.04
St. Mary	8.06	14.21
St. Ann	6.94	10.07
Trelawny	2.75	7.73
St. James	3.52	7.31
Hanover	2.61	6.60
Westmoreland	3.29	5.32
St. Elizabeth	3.70	5.68
Manchester	2.49	6.11
Clarendon	2.28	5.26
St. Catherine	3.47	7.58

Portland, with 15.21 inches, was highest; St. Mary, with 8.06 inches, was second; and St. Thomas, with 7.76 inches, was third. Kingston, with 1.01 inches, was lowest.

CITY OF KINGSTON

The total rainfall for the month of November was 1.22 inches, or 2.04 inches below the 70-year average of 3.26 inches. There were 5 rain days. The upper boundary of Kingston gauged 1.16 inches, with 5 rain days.

Distant rain was observed as follows:—to north on 3 occasions, to northeast on 2, and to northwest on 1 occasion.

Distant lightning was observed to northeast and east on 1 occasion each.

Distant thunderstorm occurred to north on 2 days and to northeast and southwest on 1 day each.

The mean barometric pressure was 29.895 inches, or .003 inches above the 33-year normal of 29.892 inches. Highest barometer reading was 29.992 inches, on the 23rd at 3.00 p.m., and the lowest was 29.776 inches, on the 13th at 7.00 a.m., corrected for diurnal variation.

The mean temperature based upon four observations per day, was 77.5°, or 0.8° below the 33-year normal of 78.3°. The highest maximum was 92.0° on the 26th and 27th, and the lowest minimum was 64.5° on the 23rd, giving an extreme monthly range of 27.5°. On the other hand, the lowest maximum was 84.0° on the 15th, and the highest minimum was 75.3° on the 10th. The greatest range was 21.5° on the 26th, and the least was 9.9° on the 10th. The maximum temperature rose to 90° or above on 2 days, and the minimum was 70° or above on 16 days.

The mean daily miles of wind recorded was 131, or 7% below the 25-year normal of 141. The greatest number of miles of wind recorded in 24 hours was 273 on the 8th, and the least was 81 on the 3rd. Greatest velocity of short duration was 22 miles per hour on the 10th at about 3.00 p.m. Southeast wind prevailed after dark on 1 occasion and commenced early on 1 occasion.

The mean relative humidity was 74%, or 8% below the normal of 82%. Mean 7.00 a.m. was 82%, and mean 3.00 p.m. 64%. Lowest 7.00 a.m. was 61% on the 18th, and lowest 3.00 p.m., 47% on the 26th.

Overcast conditions prevailed in the forenoon on 10 occasions, and in the afternoon on 10 occasions.

Total evaporation for the month was 6.36 inches, the 20-year normal being 3.98 inches. Mean sunshine hours for the month were 7.9.

CORRIGENDA

The station name BULL BAY appearing in the Southern Division in the following Monthly Weather Reports, Nos. 793, 794, 808, 815, 821, and 829, (No. 818), and in "Jamaica Rainfall 1942" should be amended to read HARBOUR HEAD, the gauge having been moved from Bull Bay to a site at the 6th mile post near Harbour Head as from January 1, 1942.

(Sgd.) S. H. HARVEY,
Meteorological Officer.

Weather Office, Kingston,
20th December, 1944.



JAMAICA WEATHER REPORT

FOR THE MONTH OF
DECEMBER, 1944

The barometric pressures at all the Stations, except the Hill Gardens and Hope Agricultural Station, are reduced to the standards of Kew 32", gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens and Hope Agricultural Station are reduced to the first two standards only. Thermometers are exposed in Stevenson Screens; their readings have been corrected for instrumental errors. The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m. and entered as having fallen on the previous day.

The Standard of Time used is that of the 75th Meridian West of Greenwich, commonly known as Eastern Standard Time.

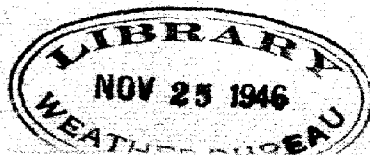
METEOROLOGICAL RESULTS

STATIONS	Elevation	Bar. Pressure		Temperature (F.)					Extreme Temperature (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range	Max.	Date	Min.	Date	Range
	ft.	ins.	ins.	°	°	°	°	°	°		°		°
Morant Point Light House	8	29.986	29.936	77.9	80.4	82.6	75.8	6.8	85.0	21	72.0	28	13.0
Kingston	24	29.968	29.909	70.5	84.8	87.4	68.8	18.6	90.1	22*	62.8	6	27.3
Upper Kingston	110	29.965	29.907	69.7	85.5	87.9	68.0	19.9	90.1	29	62.8	6	27.3
Negril Point Light House	33	29.990	29.922	73.9	82.3	84.9	70.0	14.5	89.5	22	63.1	30	26.4
Montego Bay	33	..	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens	496	..	..	..	..	..	..	..	..	..	..	..	..
Hope Agricultural Station	668	29.236	29.171	68.8	83.4	86.9	65.1	21.8	89.7	17	61.0	6	28.7
Hill Gardens, Blue Mountains	4,900	25.240	25.199	57.8	64.0	68.2	53.6	14.6	72.4	20	47.9	5	24.5
Orange River Experimental Station	450	..	..	7.13	77.3	79.1	66.8	12.3	85.2	18	61.0	9*	21.5

STATIONS	Elevation	Dewpoint and Rel. Humidity				Rainfall	Wind per diem	Wind: direction from and speed (m.p.h.)				Amount of Cloud † Lower, Middle and Upper					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
		ft.	°	%	°			%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	71	81	72	75	0.44	366	NNE	14.0	NNE	14.0	5.6	1.1	0.4	4.7	0.8	0.8
Kingston	24	63	87	71	63	0.00	161	N	6.8	S	8.5	0.9	2.6	0.4	0.4	3.0	0.9
Upper Kingston	110	63	79	67	55	0.01	141	N	5.7	SSE	7.7	0.6	1.5	0.8	0.8	3.4	0.7
Negril Point Light House	33	65	74	67	60	0.18	195	N	6.5	N	10.1	2.1	0.0	1.1	3.6	0.0	0.8
Montego Bay	33	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens	496	..	..	..	..	20.00	..	..	..	..	..	..	..	..	..	..	..
Hope Agricultural Station	668	61	78	67	58	0.24	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	54	87	61	90	9.26	..	..	..	..	..	..	..	..	..	..	..
Orange River Ex- perimental Station	67	88	69	77	7.43	..	..	..	..	..	..	..	..	..	..	..	..

NOTES

- (1) Kingston—As from 1st January, 1943, Temperatures are taken from thermometers located at Winchester Park.
 - (2) Hope Agricultural Station—On the 1st Jan., 1944, the Hope Gardens barometer was removed to a new site on Hope Agricultural Station near to the thermometers and rain gauge. Observations are now taken at 7 a.m. and 3 p.m. Barometric pressure is at present not reduced to sea level.
 - (3) Montego Bay—Observations lapsed.
 - (4) Castleton Gardens—Readings of temperature not sufficiently accurate for publication.
- * And on other days.
† Amounts are expressed in tenths of the sky.

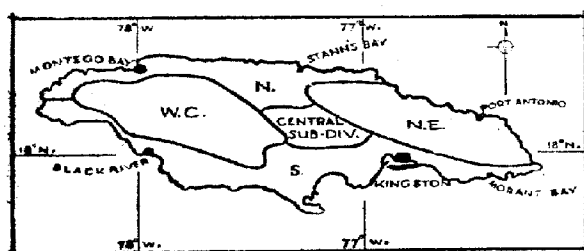


THE RAINFALL

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1939". In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica", following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



December, 1944

STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	0.72	0.36	27	4	7.10
Ecclesdown	1.37	0.84	3	7	..
Priestman's River	1.21	0.53	2	3	5.72
Bath	2.32	0.86	26	5	8.95
Barrett's Gap	4.97	1.50	20	4	..
Millbank	14.06	4.00	20	9	26.54
Bowden Pen	19.11	3.00	12	12	..
Moore Town	9.60	2.15	26	11	24.16
Port Antonio	3.67	1.56	27	6	12.14
Passley Garden	N.A.	..	..	..	8.76
Fellowship	6.98	1.21	14	13	17.73
Johnson River Br.	0.40	0.40	3	1	4.47
Trinity Ville	0.00	0.00	..	0	3.57
Fruitful Vale	20.27	3.15	16	18	..
Shrewsbury	20.56	7.65	16	13	19.87
Hope Bay	6.85	2.40	3	9	11.15
Cedar Valley	0.64	0.50	3	2	4.36
Swift River	33.97	11.62	16	17	..
Lennox	7.30	3.10	16	19	15.50
Bybrook	27.40	5.60	16	18	..
Darley	5.56	0.88	3	13	..
Spring Garden	6.88	2.40	16	10	9.79
Hill Gardens	9.26	4.00	3	12	9.45
Buff Bay	7.33	2.40	17	9	11.66
Plum Valley	14.79	2.46	20	13	..
Belvedere, Portland	21.13	5.08	16	18	14.51
Dover	7.94	3.10	16	10	11.56
Balcarras	32.78	5.73	3	16	32.80
Mt. Holstein	36.19	11.86	26	18	19.11
Cedar Hurst	13.73	4.50	3	16	11.90

NOTE: N.A. means data is not available.

December, 1944

STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date		
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Hardware Gap	7.02	2.04	3	6	6.92
Mt. Pleasant	5.40	1.00	9	8	..
Rose Hill	8.03	3.50	1	9	4.47
Mount Cressy	28.38	7.45	20	18	..
Hermitage	2.93	1.54	3	4	3.27
Mount Airy	17.84	5.74	20	8	..
Stony Hill	2.71	1.65	1	3	3.68
Golden Spring	N.A.	..	..	..	..
Brandon Hill	8.58	2.72	4	5	..
Enfield	0.00	0.00	..	0	20.71
Agualta Vale	0.00	0.00	..	0	9.26
Castleton Gardens	20.00	3.93	3	12	13.34
Water Valley	8.62	2.10	8	13	9.50
Albany	7.17	1.64	21	13	9.07
Platfield	3.78	1.45	20	4	..
Lawrence Tavern	5.80	5.20	20	3	4.24
Wey Hill	8.90	1.70	25	12	..
Richmond, St. Mary	6.12	1.80	16	14	9.68
Quebec, St. Mary	4.44	1.80	16	8	8.68
Above Rocks	5.19	1.88	20	9	..
Glengoffe	9.67	4.53	20	7	..
Carew Castle	7.27	4.62	20	8	4.59
Hampstead, St. Mary	8.65	1.70	16	12	11.60
Windsor Castle, do.	7.02	1.40	20	10	10.42
Troja	6.95	2.00	26	17	8.19
Pear Tree Grove	N.A.	..	..	..	7.51
Guy's Hill	7.17	1.55	20	10	7.78
Lucky Hill	8.00	1.72	21	15	9.94
Rio Hoe	5.93	1.30	20	10	8.28
Unity Valley	5.85	1.64	20	12	7.10
Moneague	4.37	1.26	20	11	6.90
Claremont	7.34	2.41	27	6	7.81
Averham Park	15.76	2.95	22	21	10.26
Albion	6.31	1.37	3	12	7.78
Orange River Experimental Station	7.43	2.15	16	13	..
NORTHERN DIVISION (N)					
Port Maria	3.54	1.36	16	9	6.95
Wentworth	0.50	..	..	..	..
Jacks River	4.03	0.95	27	11	..
Oracabessa	3.36	1.00	29	7	6.64
Retreat	4.63	1.20	16	13	..
Exchange	1.44	0.79	13	3	..
Ocho Rios	5.10	1.35	20	12	6.41
Rockfield	10.60	1.37	13	23	9.18
Liberty Hill	2.57	0.65	13	11	7.27
St. Ann's Bay	3.14	1.00	12	9	7.15
Richmond Estate	2.81	0.69	16	9	7.24
Runaway Bay	3.51	2.02	13	5	3.49
Thatchfield	N.A.	..	..	..	..
Knapdale	10.89	1.59	21	17	10.93
Alexandria	2.37	0.50	3	9	2.98
Bel-Air	7.10	4.95	13	8	6.18
Brown's Town	8.86	1.92	26	14	8.50
Wilton	7.69	2.34	14	12	..
Watt Town, St. Ann	2.70	0.85	20	7	2.74
Home Castle	10.75	3.45	13	5	7.67
Stewart Town	5.58	1.12	12	9	..
Arcadia	4.95	1.70	13	9	6.32
Vale Royal	6.02	1.80	13	8	7.64
Harmony Hall	3.42	1.40	13	10	5.55
Duncans	4.19	1.86	21	8	2.85
Clark's Town	4.96	1.18	13	13	4.70
Hyde and Gibraltar	7.18	1.65	16	11	..
Falmouth	2.27	0.70	16	6	4.24

December, 1944						December, 1944					
STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average	STATIONS	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	3.00	0.65	21	10		Wait-a-bit	3.18	1.90	21	7	
Windsor Lodge	3.18	0.90	21	14		Christiana	0.70	0.18	26	9	2.71
Latium	2.53	0.53	3	10		Holmwood	0.00	0.00			
Barrett Hall	N.A.					Edge Hill	N.A.				
Success	1.27	0.65	21	3	3.71	Kendal, Manchester	0.00	0.00		0	2.35
Cornwall	1.17	0.55	3	3		Mandeville	0.25	0.15	26	4	2.81
Rose Hall	1.73	1.03	21	3	4.33	Ulster Spring	4.49	1.81	21	6	3.89
Cinnamon Hill	1.64	1.06	21	4	4.33	Greenvale	0.25	0.25	15	1	1.60
Tryall	1.60	1.10	21	4	3.20	Albert Town	0.95	0.50	26	3	3.31
Running Gut	2.35	1.68	21	3	4.45	Craig Head	0.00	0.00		0	
Spring Estate	1.75	1.35	21	3	4.51	Warsop	3.53	1.25	20	8	2.94
Friendship	1.71	0.25	13	12	3.30	Troy	1.15	0.75	26	2	2.86
Irwin	1.38	0.53	3	7	5.81	Wallingford	0.27	0.25	17	2	2.23
Retirement	3.18	0.86	3	11	3.22	Balaclava	0.00	0.00		0	2.11
Montego Bay	0.76	0.76	3	1	4.04	Braes River	0.00	0.00		0	
Anchovy	1.52	0.57	3	10	2.66	Wakefield	3.82	0.81	2	9	3.62
Hopewell	0.75	0.25	3	5		Appleton	0.98	0.73	21	2	3.15
Blue Hole	0.00	0.00		0	2.88	Aberdeen	0.57	0.22	17	5	
Cascade	1.01	0.81	4	2		Accompong	1.20	0.66	12	2	
Lucca	0.06	0.05	26	2	3.30	Maggotty	1.25	1.13	21	2	2.71
Haughton Court	0.00	0.00		0	3.12	Lacovia	1.22	1.15	22	2	2.08
Kendal, Hanover	0.00	0.00		0		Mulgrave	0.80	0.70	11	3	
Cousin's Cove	1.23	1.13	17	6	2.33	Holland	1.17	0.75	22	2	
Blenheim	0.33	0.31	17	2		Ipswich	0.90	0.78	17	2	
Green River	0.05	0.05	18	1		Ginger Hill	1.07	0.61	18	2	
Green Island	0.12	0.12	17	1	2.22	Kempshot	3.70	1.23	3	7	4.85
Haughton Hall	0.00	0.00		0	1.30	Maldon	N.A.				
CENTRAL SUB-DIVISION						Mcho, St. James	N.A.				2.89
Knollis	2.94	0.60	26	10	1.87	Catadupa	1.08	0.30	17	5	2.44
Sligoville	2.63	0.82	26	10	3.15	Cambridge	1.01	0.33	3	4	1.95
Rio Magno	3.71	1.19	26	6	6.39	New Market	0.60	0.53	17	2	2.29
Riversdale	5.72	2.50	26	3	3.48	Springfield	1.08	0.92	18	2	
Headworks, R.C.C.	0.00	0.00		0	2.01	Seaford Town	0.25	0.13	13	2	
Bog Walk	0.65	0.30	20	3	1.38	Petersville	0.00	0.00		0	2.78
Linstead	5.79	4.00	20	11	3.09	Kew Park	1.11	0.35	17	5	2.33
Ewarton	2.37	1.68	21	4		The Bog	0.00	0.00		0	2.82
Greenock	1.92	0.60	20	7		Exeter	3.27	1.50	20	6	
Cave Valley	2.39	1.33	20	6	2.77	Bethel Town District	0.95	0.45	3	2	1.96
Guanaboa Vale	0.00	0.00		0	1.83	Copse	2.04	1.13	3	6	3.72
Point Hill	3.40	2.20	26	2	4.18	Burnt Ground	N.A.				2.63
Brown's Hall	N.A.				3.31	Haughton Grove	1.28	0.47	3	8	2.82
Bellas Gate	0.50	0.50	26	1	1.22	Knockalva	0.74	0.30	3	5	
Rock River	0.00	0.00		0	1.23	Darliston	1.33	0.84	20	2	2.89
Croft's Hill	0.73	0.29	27	4	2.03	Whithorn	0.50	0.25	13	2	2.52
Kellitts	2.31	1.05	20	9		Water Works Farm	1.07	0.85	21	3	2.77
Suttons	0.35	0.35	26	1	1.97	Williamsfield, Wld.	1.00	0.30	15	3	
Colonel's Ridge	0.61	0.30	21	3		Petersfield	0.45	0.25	13	2	
Chapelton	0.49	0.31	26	4	2.19	Baulk	0.61	0.32	21	3	
Crooked River	0.20	0.13	24	2	1.43	Askenish	0.53	0.38	18	2	2.60
James Hill	0.30	0.10	12	3		Grange Hill	0.37	0.30	3	2	2.83
Frankfield	0.28	0.13	26	3	1.89	Mount Eagle	N.A.				
WEST-CENTRAL DIVISION (W.C.)						King's Vale	0.00	0.00		0	2.64
Mcho, Clarendon	0.39	0.18	26	3	2.01	SOUTHERN DIVISION, (S).					
Thompson Town	0.70	0.38	16	2		Morant Point L. H.	0.44	0.18	2	5	5.31
Porus	0.00	0.00		0		Golden Grove	0.55	0.28	26	2	
Boroobridge	0.00	0.00		0		Pleasant Hill	0.39	0.27	27	2	5.00
Spaldings	0.78	0.29	13	3	3.12	East Prospect	0.51	0.28	3	3	4.75
Williamsfield	0.00	0.00		0	2.07	Morant Bay	0.20	0.10	22	2	3.81
Shooter's Hill	0.50	0.45	17	2	2.19	Lloyds	0.03	0.03	28	1	
						Yallahs	0.00	0.00		0	1.66
						Easington	0.00	0.00		0	2.49

HOPE FARM
same as
Hope Gardens
Hope Agric. Station

4

STATIONS	December, 1944					STATIONS	December, 1944				
	Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average		Total Fall	Greatest fall in 24 hours		Days on which 0.01 or more fell	Average
		Amount	Date					Amount	Date		
SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.
Guava Ridge	0.35	0.35	20	1	4.30	Cottage	0.16	0.16	26	1	1.32
Harbour Head	0.00	0.00		0	0.99	Pennants	0.22	0.12	4	2	
Dallas Castle	0.30	0.20	26	2	2.40	Belle Plain	0.00	0.00		0	2.09
Gordon Town	0.10	0.10	20	1	2.89	Milk River	0.00	0.00		0	1.78
Irish Town	1.04	0.50	20	3	3.21	Retrieve	0.00	0.00		0	1.62
Hope Farm	0.24	0.17	22	2	2.55	Stone's Hope	0.00	0.00		0	2.45
Bamboo Avenue	0.08	0.06	3	2		Newport, Man.	0.00	0.00		0	2.78
Plumb Point L.H.	0.00	0.00		0	1.24	Alligator Pond	0.00	0.00		0	1.94
King's House Gar.	0.14	0.14	3	1	1.85	Myersville	0.00	0.00		0	
Up-Park Camp	0.00	0.00		0		Goshen	0.00	0.00		0	
Cavaliers	0.03	0.03	3	1		Bull Savannah	0.00	0.00		0	
St. George's College	0.00	0.00		0		Munro	0.02	0.02	13	1	2.54
Upper Kingston	0.01	0.01	3	1	0.91	Windsor, St. Eliz.	0.69	0.46	22	2	2.10
Parade Garden	0.00	0.00		0		Torrington	0.00	0.00		0	2.36
Kingston P.W.O.	0.00	0.00		0	1.30	Santa Cruz	0.53	0.30	17	4	2.62
Shortwood College						Hounslow	0.77	0.49	26	2	
Constant Spring	1.37	0.75	3	5		Pedro Plains	0.49	0.40	26	2	1.59
Halfway Tree	0.15	0.15	3	1	1.64	Mountainside	0.00	0.00		0	1.41
Clifton Pen	0.09	0.09	3	1	1.03	Fort Charles	0.00	0.00		0	1.72
Twickenham Pen	0.12	0.12	3	1		Black River	0.35	0.35	10	1	2.10
Red Hills	0.81	0.59	21	2	1.81	Mt. Charles	0.38	0.31	22	2	
Quarantine Station	0.00	0.00		0	0.75	Mount Edgcombe	0.04	0.02	17	2	2.21
Hematine	N.A.				1.23	Bluefields	0.40	0.40	22	1	
Spanish Town	0.61	0.40	22	2	1.69	Sav.-la-Mar	0.18	0.13	17	2	1.91
Hog Hole, St. Cath.	1.39	1.22	22	3	1.98	Little London	0.27	0.14	31	3	2.10
Grove Farm	0.00	0.00		0		Retreat (WestInd.)	0.09	0.06	31	2	2.06
Old Harbour	0.00	0.00		0	2.21	Sheffield	0.00	0.00		0	
May Pen	0.00	0.00		0	1.87	Negril Point L.H.	0.18	0.15	31	2	1.91
Glen Muir	N.A.				1.31						

NOTES

COMPARATIVE TABLE OF RAINFALL AND DAYS ON WHICH RAIN FELL

DIVISIONAL AND ISLAND RAINFALL	December			
	Rainfall, inches		Days on which Rain fell	
	1944	Ave.	1944	Ave.
North-eastern	8.29	11.10	10	14
Northern	2.82	4.84	6	9
West-Central	1.06	3.13	3	7
Southern	0.22	2.17	2	6
The Island means	3.10	5.31	5	9

SHOCKS OF EARTHQUAKE IN DECEMBER, 1944

Date	Standard Time (Approx.)	Intensity	Notes, where, etc.
NONE REPORTED			

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND

The mean rainfall for the Island was 3.10 inches, or 2.21 inches below the 70-year average of 5.31 inches. The Divisional Means were also below their normals.

The greatest fall for the month was 36.19 inches at Mt. Holstein, in the North-eastern Division, and the heaviest fall in 24 hours was 11.86 inches, at the same station on the 26th.

The mean number of rain days was 5, the average for the month being 9. Rockfield in the Northern Division had the greatest number, 23. No rain fell at Trinityville, Enfield and Agualta Vale in the Northeast; at Blue Hole Haughton Court, Kendal, Haughton Hall and Headworks (R.C.C.) in the Northern Division; at Porus, Borobridge, Williamsfield, Holmwood, Kendal, Craighead, Balacava, Braes River, Petersville, The Bog, and King's Vale in the West-Central Division; at Yallahs, Easington, Harbour Head, Plumb Point Lighthouse, Up-Park Camp, St. George's College, Kingston P.W.D., Parade Gardens Quarantine, Grove Farm, Old Harbour, May Pen, Belle Plain, Milk River, Retrieve, Stone's Hope, Newport, (Manchester), Alligator Pond, Myersville, Goshen, Bull Savanna, Torrington, Mountainside, Fort Charles and Sheffield in the Southern Division.

The mean rainfall in each parish is given below. The 10-year average is also shewn for comparison:—

Parish.	December 1944	10-year Normal
	Inches	Inches
Kingston	0.00	0.82
St. Andrew	4.35	3.40
St. Thomas	0.80	4.31
Portland	9.41	14.43
St. Mary	6.37	8.97
St. Ann	5.58	6.14
Trelawny	3.82	3.25
St. James	1.98	2.85
Hanover	0.41	2.55
Westmoreland	0.63	1.90
St. Elizabeth	0.53	1.70
Manchester	0.14	1.84
Clarendon	0.58	1.54
St. Catherine	3.56	2.98

Portland with 9.41 inches, was highest; St. Mary with 6.37 inches, was second, and St. Ann with 5.58 inches, was third. Kingston with 0.00 inch was lowest.

CITY OF KINGSTON

The total rainfall for the month of December was 0.00 inch; 70-year average being 1.30 inches.

The upper boundary of Kingston gauged 0.01 inches, with 1 rain day.

The mean barometric pressure was 29.953 inches, or .012 inches above the 33-year normal of 29.941 inches. Highest barometer reading was 30.029 inches, on the 15th and 29th at 7 a.m. and the lowest was 29.837 inches, on the 6th at 7 a.m. corrected for diurnal variation.

The mean temperature based upon four observations per day, was 77.4° or 0.6° above the 33-year normal of 76.8°. The highest maximum was 90.1° on the 22nd and 25th, and the lowest minimum was 62.8° on the 6th giving an extreme monthly range of 27.3°. On the other hand, the lowest maximum was 83.2° on the 6th and the highest minimum was 72.5° on the 21st. The greatest range was 23.9° on the 20th and the least was 14.2° on the 14th. The maximum temperature rose to 90° and above on 2 days, and the minimum was 70° and above on 10 days.

The mean daily miles of wind recorded was 161. The 25-year normal being 160. The greatest number of miles of wind recorded in 24 hours was 201 on the 14th and the least was 123 on the 7th. Greatest velocity, of short duration was 24 miles per hour, on the 18th at 2.30 p.m.

The mean relative humidity was 73% or 7% below the normal of 80%; mean 7 a.m. was 78 and mean 3 p.m., 63.

Lowest 7 a.m. 62 on the 30th and lowest 3 p.m., 47% on the 6th.

Overcast conditions prevailed in the forenoon on 3 occasions, and in the afternoon on 2 occasions.

Total evaporation for the month was 7.71 inches, the 20-year normal being 4.58 inches.

Mean sunshine hours for the month 7.9.

KINGSTON FOR THE YEAR 1944

The total rainfall for the year 1944, as registered at the Public Works Buildings, Port Royal Street, Kingston, was 29.37 inches, or 2.45 inches below the 70-year normal of 31.82 inches. The month of October recorded the greatest fall with 8.00 inches, followed by June with 6.07 inches. The month of December recorded the least, 0.00 inch.

The total number of rain days for the year was 65, as compared with the 49-year average of 79. The greatest number in one month was 15, in September, and the least 0, in December.

The mean barometric pressure for the year was 29.935 inches, the 33-year normal being 29.932 inches.

Mean temperature was 79.3°, as compared with the 33-year normal of 78.7°, a difference of 0.6°. The extreme maximum was 90° and above on 66 occasions.

The mean relative humidity was 76%, the 33-year normal being 79%.

The mean amount of cloudiness was 51%, the normal being 53%.

The average daily miles of wind was 189, the 25-year normal being 185, (See Table (C)).

KINGSTON

Table (D) giving the extreme values of certain observations is appended.

The month of January recorded the highest barometer reading of 30.094 inches, on the 1st, and August the lowest, 29.725 inches, on the 20th.

The greatest number of days in any month in which the maximum temperature rose to 90° and above was 16 in July. This was followed by 10 in August and 9 in September. The greatest number of days with temperature, below 70°, was 27, in the month of February.

The maximum number of miles of wind registered in 24 hours was 524, on the 14th October, and the minimum was 81, on the 3rd of November. The greatest rate of hourly velocity, of short duration, was 55 miles per hour, on the 20th August.

The lowest 7.00 a.m. relative humidity was 60%, on the 5th January. The lowest 3.00 p.m. was 29%, on the 9th March.

The greatest fall of rain in 24 hours was 4.81 inches, on the 20th August.

(Sgd.) S. H. HARVEY,
Meteorological Officer.

Weather Office,
Palisadoes,
20th January, 1945.

NOTES

For rainfall purposes HOPE GARDENS, which was temporarily re-named HOPE AGRICULTURAL STATION will in future be known as HOPE Farm. Despite the changes in name the guage has not been moved. As from March, 1944, the readings for MOCHO, CLARENDON, have been taken from the guage at Mocho Land Settlement; they were previously made at Mocho School, nearby. Readings have ceased at MEREWORTH (West Central Division) as from this month.

TABLE (A)—THE ISLAND RAINFALL, 1944 (In inches)

Month	Divisions				The Island		Rain Day	
	N.E.	N.	W.C.	S.	1944	Average for 70 years	Means for 1944	Average for 45 years
January	6.11	2.59	1.53	1.32	2.84	4.00	7	8
February	0.65	0.16	0.35	0.30	0.36	3.21	2	7
March	1.31	1.02	1.91	0.68	1.23	3.33	3	7
April	7.59	6.07	8.69	3.54	6.47	5.11	7	9
May	4.24	3.89	9.21	4.88	5.55	8.89	10	12
June	12.42	6.39	8.26	8.38	8.86	6.91	13	10
July	7.31	5.12	11.25	8.45	8.03	5.22	9	9
August	13.29	7.39	9.75	9.64	10.02	7.14	9	12
September	9.06	6.07	10.71	8.01	8.46	7.80	13	13
October	19.19	6.98	18.57	16.97	15.43	10.89	16	15
November	10.15	4.01	3.05	2.35	4.89	9.31	7	12
December	8.29	2.82	1.06	0.22	3.10	5.31	5	9
Total 1944	99.61	52.51	84.34	64.74	75.24	..	101	..
Total 70-year Average	106.58	59.41	88.45	54.03	..	77.12	..	123

TABLE (B)—MEAN RAINFALL IN INCHES FOR EACH PARISH FOR THE YEAR, 1944.

Parish	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Total	10-year Average
Kingston	0.09	0.06	0.05	0.22	0.41	8.99	4.53	7.13	4.07	9.57	1.01	0.00	36.13	30.46
St. Andrew	2.21	0.19	0.58	2.62	3.36	8.45	6.11	13.11	9.20	19.17	5.13	4.35	74.48	68.47
St. Thomas	2.43	0.73	0.73	1.44	5.77	19.28	10.65	15.93	15.20	20.12	7.76	0.80	100.84	79.95
Portland	9.41	1.38	2.18	10.92	5.18	15.11	8.48	16.56	7.30	23.22	15.21	9.41	121.59	136.13
St. Mary	5.24	0.63	1.47	8.33	1.63	8.68	4.44	9.11	5.20	12.94	8.06	6.37	72.10	83.72
St. Ann	3.91	0.18	0.61	8.33	3.78	5.69	3.20	9.34	6.63	9.22	6.94	5.58	62.91	65.76
Trelawny	1.81	0.02	0.28	7.99	5.94	5.28	5.79	9.09	10.76	10.62	2.75	3.82	64.15	61.52
St. James	1.65	0.03	1.22	4.73	2.35	7.34	4.14	4.78	5.56	6.09	3.52	1.98	43.39	64.22
Hanover	2.85	0.10	2.69	6.66	4.95	12.82	8.98	6.91	9.64	10.56	2.61	0.41	69.18	81.25
Westmoreland	1.61	0.70	2.76	9.91	5.49	8.84	14.64	8.71	8.84	19.04	3.29	0.63	84.46	83.75
St. Elizabeth	1.86	0.37	1.63	9.97	9.57	4.58	12.61	8.46	8.81	20.42	3.70	0.53	82.51	65.74
Manchester	1.12	0.31	1.48	8.19	12.80	7.28	13.03	12.38	10.55	24.41	2.49	0.14	94.18	70.82
Clarendon	1.37	0.39	0.65	5.00	10.09	7.32	10.42	10.92	9.59	20.03	2.28	0.58	78.64	59.98
St. Catherine	2.67	0.15	1.06	2.72	3.87	8.18	6.12	9.19	6.61	15.05	4.47	3.56	62.65	64.75
Means	2.73	0.37	1.24	6.22	5.37	9.13	8.08	10.11	8.43	15.75	4.47	2.73	75.03	72.62

TABLE (C)—KINGSTON, JAMAICA—METEOROLOGICAL RESULTS FOR THE YEAR, 1944.
(For ELEVATION, See Foot Notes 1 and 2)

Month	Barometer Pressure		TEMPERATURE (FAH.)				Extremes for Month			Dewpoint and Relative Humidity			Rainfall (ins.)		Rain Days	
	7 a.m.	3 p.m.	Mean	7 a.m.	3 p.m.	Max.	Min.	Range	°	°	°	%	°	%	No.	Av. for 49 yrs.
	Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	°	°	°	°
January	29.906	29.951	77.5	70.3	84.7	87.8	69.4	18.4	84.7	64.6	28.1	63	68	57	1	4
February	30.028	977	76.8	69.2	84.3	87.6	68.1	19.5	90.0	66.2	23.8	61	68	58	2	4
March	29.986	940	77.4	71.5	83.8	86.8	69.6	17.2	91.8	66.7	25.1	63	67	58	2	4
April	964	912	79.4	75.7	84.2	87.5	72.3	15.2	91.5	68.3	23.2	67	70	62	3	5
May	950	907	80.4	77.3	84.3	88.6	73.5	15.1	90.8	68.1	22.7	68	71	64	6	7
June	920	886	81.2	78.1	84.8	88.6	75.4	13.2	91.9	71.1	20.8	72	74	70	8	6
July	961	919	82.2	79.1	85.9	90.4	75.6	14.8	95.8	72.8	23.0	71	75	68	5	5
August	933	884	81.4	77.1	86.0	89.9	74.8	15.1	92.0	72.3	19.7	71	76	71	6	9
September	898	865	80.7	76.6	83.8	88.2	74.2	14.0	92.8	71.7	21.1	72	75	73	15	10
October	861	811	79.8	75.9	83.7	87.5	74.0	13.5	91.8	69.7	22.1	71	73	75	12	12
November	912	856	77.5	71.7	84.2	86.9	70.4	16.5	92.0	64.5	27.5	66	71	64	5	8
December	29.968	29.909	77.4	70.5	84.8	87.4	68.8	18.6	90.1	62.8	27.3	63	71	63	..	5
Means	29.948	29.901	79.3	74.4	84.5	88.1	72.2	15.9	91.9	68.2	23.7	67	72	65	..	..
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	..	29.37	31.82
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	65	79

NOTES.—(1) From the year 1907 to 1942, the observations were made as follows:—

- (2) Standard Barometer at Public Works Buildings—24 ft. above sea-level.
 (3) On the 1st January, 1943, the following changes were made:—
 At 48 Ivy Road—7.00 a.m. Pressure, Barometer 160 ft. above sea-level; Clouds and their direction.
 At Public Works Buildings, Port Royal Street—3.00 p.m. Pressure, Barometer 24 ft. above sea-level, Clouds and their direction.
 At Winchester Park—Temperatures—(Through the courtesy of the Jesuit Fathers).
 (4) On the 1st May, 1944, the following changes were made:—
 At Public Works Buildings, Port Royal Street—7.00 a.m. Pressure, Clouds and their direction.
 (5) On the 1st October, 1944, the following change was made:—
 At Meteorological Office, Palisadoes, Clouds and their direction.

(a) Pressure, Barometer 110 ft. above sea-level. (b) Temperature, (Thermometers 107 ft. above sea-level and 4 ft. above ground). (c) Clouds and their direction.
 (d) Rainfall, (Gauge 57.28 ft. above sea-level). (e) Wind, (Anemometer 69.38 ft. above sea-level, wind vane 70.88 ft. above sea-level).

TABLE (C) *contd.*—KINGSTON, 1944—MEAN RESULTS

Month	Wind, Miles per diem	Wind: from and Miles per hour			Clouds in Tenths						Weather Conditions etc.	Overcast conditions recorded in the forenoon on 4 occasions and in the afternoon on 10		
		7 a.m.	3 p.m.	11 p.m.	Lower		Middle		Upper					
					7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.				
January	178	N 5.1	SE 13.3	N 5.3	1.5	2.7	0.4	2.0	0.7	0.8	Do.	do.	do.	6
February	185	N 5.0	SE 15.1	N 4.5	1.2	1.4	1.1	2.6	0.1	0.3	Do.	do.	do.	9
March	244	N 4.2	SE 19.1	ENE 4.7	0.7	2.5	1.0	2.3	0.6	0.0	Do.	do.	do.	17
April	242	N 4.3	SE 19.2	ESE 4.6	1.3	3.6	0.6	1.6	1.3	1.0	Do.	do.	do.	23
May	172	N 3.8	SE 12.6	N 3.8	1.6	4.9	1.1	2.9	0.0	0.2	Do.	do.	do.	14
June	229	NE 5.0	SE 18.6	E 5.0	2.2	4.0	1.7	2.3	0.9	0.4	Do.	do.	do.	15
July	217	NNE 5.0	SE 19.2	NE 4.3	2.8	2.4	0.1	0.9	1.0	2.0	Do.	do.	do.	15
August	194	N 4.0	SE 16.4	N 3.7	1.3	3.1	0.9	2.3	0.2	0.6	Do.	do.	do.	24
September	131	N 4.3	SE 9.6	N 4.1	3.4	6.4	0.3	1.2	1.8	0.8	Do.	do.	do.	16
October	187	NE 6.4	SE 10.7	N 5.9	1.5	1.5	4.0	4.6	2.3	2.6	Do.	do.	do.	10
November	131	N 4.6	SSE 6.8	N 4.6	0.9	0.7	2.5	4.0	2.4	1.5	Do.	do.	do.	3
December	161	N 6.8	S 8.5	N 6.8	0.9	0.4	2.6	3.0	0.4	0.9	Do.	do.	do.	
Means	189	N 4.9	SE 13.9	N 4.8	1.6	2.8	1.3	2.5	1.0	0.9				

TABLE (D)—Summary of Extremes of Instrumental Observations for each Month of the year 1944 for Kingston.

Month	Barometer			Temperature (Fah.)		Surface Wind					Relative Humidity,				Greatest rainfall in 24 hours			
	Highest	Date	Lowest°	Date	90° and above. No. of days	Below 70°. No. of days	Miles in 24 hours				7 a.m.		3 p.m.		Amount (Ins.)	Date		
							Greatest	Date	Least	Date	Miles per Hour	Date	%	Date				
																	Greatest Velocity	Date
30.094	21	29.909	6	2	16	273	8	122	23	26	8	60	5	40	14	0.01			19
January																		
February	30.081	5	29.953	28	3	27	297	14	123	24	30	14	64	19	44	24	0.08	16
March	30.009	22	29.906	8	1	20	418	7	120	15	30	7	64	10	29	9	0.01	12
April	30.017	21	29.861	15	4	3	489	11	115	29	36	10	64	11	49	9	0.02	6
May	29.999	15	29.873	31	5	3	287	25	123	7	24	20	61	10	47	2	0.09	7
June	29.994	18	29.832	3	7	0	404	6	110	1	36	12	69	9	52	11	4.64	4
July	30.010	7	29.859	31	16	6	323	28	107	13	45	4	70	3	60	3	2.05	31
August	29.982	9	29.725	20	10	0	435	20	100	15	55	20	70	3	54	4	4.81	20
September	29.964	3	29.805	30	9	0	188	1	89	5	35	17	72	3	55	27	1.30	16
October	29.939	6	29.748	14	5	1	524	14	95	19	36	13	77	6	61	30	1.85	14
November	29.992	23	29.776	13	2	15	273	8	81	3	22	10	61	18	47	26	0.84	11
December	30.029	15	29.837	6	2	21	201	14	123	7	24	18	62	30	47	6	0.00	..

The barometer readings are reduced to sea-level, also corrected for diurnal variations.